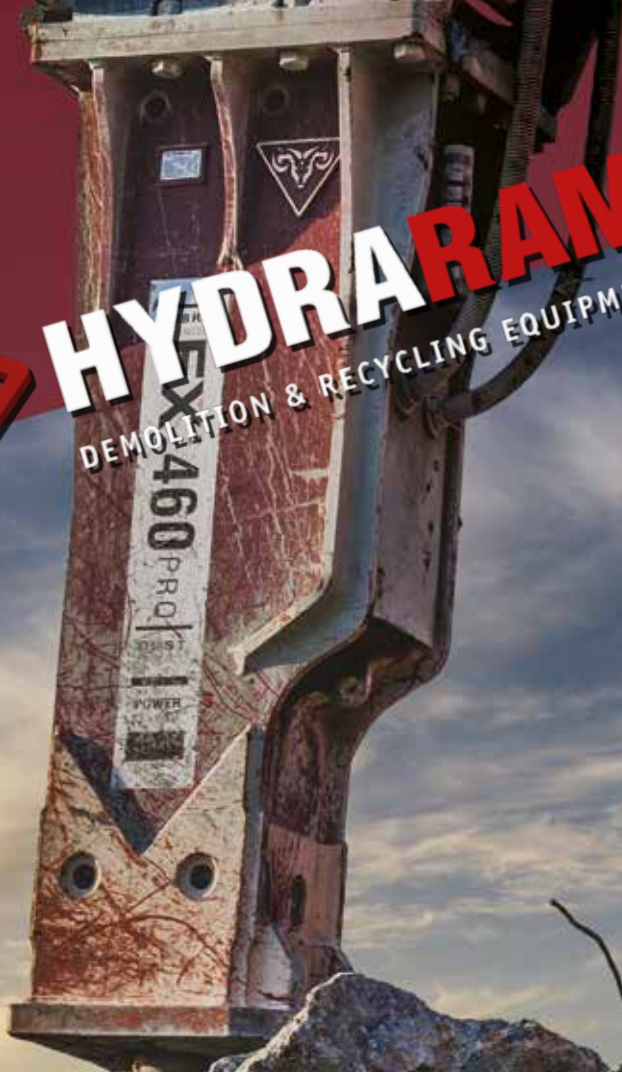




HYDRARAM[®]

DEMOLITION & RECYCLING EQUIPMENT



2022 CORPORATE BROCHURE







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**BREAK
TO THE
CORE.**

07112022

FX SERIES Hydraulic hammers

Our engineers and designers believe that hydraulic breakers should be powerful. Although the FX-Series hammers are powerful, they have a simple construction. That is why the Hydraram Breakers have few moving parts and the construction is designed in such a way that maintenance and repair is easy. The Hydraram FX Breakers are designed to be used for a variety of demolition applications and to perform in all conditions.

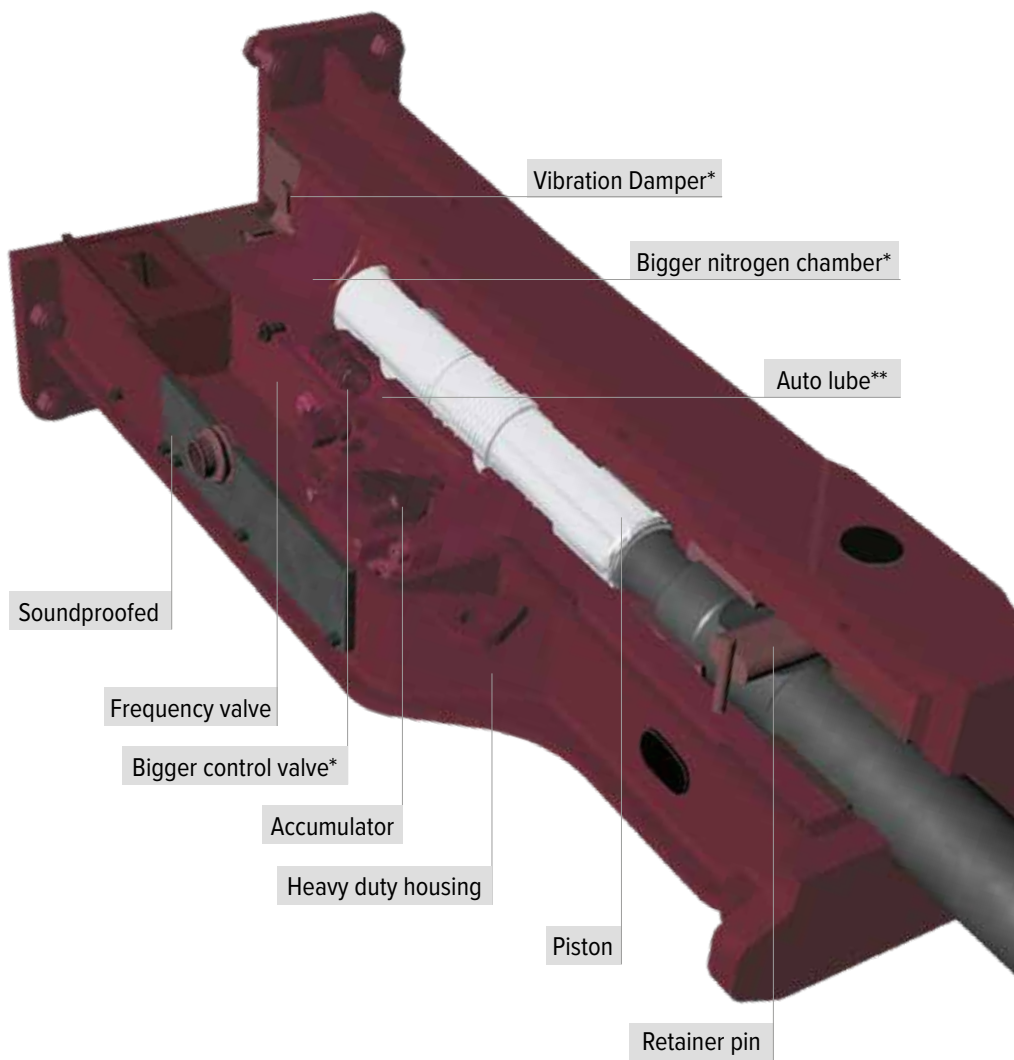


HYDRAULIC HAMMERS			FX-10	FX-20	FX-30	FX-40	FX-50	FX-70	FX-90
	Excavator class ¹	t	0.8 - 1.6	1.5 - 3.0	2 - 4	3 - 5	4 - 7	6 - 9	7 - 12
	Weight	kg	100	135	160	195	320	410	550
	Height	mm	1180	1210	1240	1280	1580	1683	1950
	Blows	bpm	700-1200	700-1200	550-1000	500-800	500-800	400-800	400-700
	Working pressure	bar	80-100	100-120	100-120	140-160	140-160	140-160	140-160
	Oilflow	l/min	10-20	15-25	25-40	30-50	35-65	40-70	45-85
	Chisel diameter	mm	36	45	53	60	68	75	90

HYDRAULIC HAMMERS			FX-120	FX-160	FX-200	FX-220	FX-340	FX-500
	Excavator class ¹	t	10 - 16	14 - 18	16 - 24	19 - 26	28 - 40	42 - 55
	Weight	kg	920	1320	1580	1900	2500	4150
	Height	mm	2240	2640	2700	2860	3170	3610
	Blows	bpm	400-700	400-600	400-600	400-600	300-400	250-350
	Working pressure	bar	150-170	150-180	160-180	160-180	160-180	160-180
	Oilflow	l/min	80-120	100-140	110-150	130-170	170-230	200-300
	Chisel diameter	mm	100	125	135	140	155	175

¹ Recommended excavator / attachment combination





Our philosophy is to offer a breaker with “full options” without extra cost or modifications afterwards. That is why all our breakers come standard with:

- Noise and vibration resistant housing;
- Air connection for underwater demolition;
- Connection for central lubrication;
- High reliability due to few moving parts;
- High productivity (low maintenance).



Blunt

Wedge

Moil

Spade

Chisel



* In the FX-Pro Series

** Standard from FX-Pro 95 X

FX PRO SERIES

Hydraulic hammers



The Hydraram FX-Pro Series: Maximum performance and production, minimum investment and maintenance!

Benefits of the Hydraram FX-Pro Series breakers:

- Automatic lubrication;
- Auto stop;
- Dustproof;
- Power-select;
- Vibration Damper;
- Energy recovery.



**LESS
WEIGHT**

**MORE
POWER**

HYDRAULIC HAMMERS - PRO

			FX-6 PRO	FX-25 PRO	FX-35 PRO	FX-45 PRO	FX-55 PRO	FX-65 PRO
	Excavator class ¹	t	0.5 - 1.2	1.0 - 2.4	2.0 - 3.8	2.6 - 4.5	3.6 - 6.5	5 - 8.5
	Weight	kg	60	122	195	260	345	470
	Long stroke	bpm	800 - 1200	550 - 1000	600 - 1500	550 - 1300	380 - 1100	400 - 800
	Short stroke	bpm	-	-	-	-	-	600 - 1100
	Working pressure	bar	60 - 130	90 - 120	90 - 120	110 - 165	120 - 165	140 - 170
	Oilflow	l/min	18 - 25	15 - 35	23 - 70	35 - 70	40 - 110	45 - 100
	Chisel diameter	mm	40	45	57	70	75	80
	Impact energy (theor.)	J	216	336	448	710	1320	1700

¹ Recommended excavator / attachment combination



HYDRAULIC HAMMERS - PRO			FX-75 PRO	FX-95 PRO	FX-110 PRO	FX-130 PRO	FX-170 PRO	FX-190 PRO
	Excavator class ¹	t	6.5 - 10	9 - 15	12 - 18	14 - 21	16 - 24	18 - 26
	Weight	kg	570	840	930	1190	1420	1560
	Long stroke	bpm	350 - 700	350 - 600	350 - 550	350 - 550	320 - 500	320 - 480
	Short stroke	bpm	490 - 1000	600 - 900	600 - 900	400 - 700	400 - 650	400 - 600
	Working pressure	bar	140 - 170	140 - 180	140 - 180	160 - 190	160 - 190	160 - 190
	Oilflow	l/min	50 - 110	75 - 120	80 - 140	100 - 150	100 - 155	120 - 170
	Chisel diameter	mm	90	95	105	115	125	135
	Impact energy (theor.)	J	2137	2880	3666	4146	4712	5383

HYDRAULIC HAMMERS - PRO			FX-210 PRO	FX-260 PRO	FX-320 PRO	FX-380 PRO	FX-460 PRO	FX-520 PRO
	Excavator class ¹	t	20 - 28	24 - 32	25 - 36	30 - 42	34 - 50	42 - 60
	Weight	kg	1820	2050	2380	2800	3200	3800
	Long stroke	bpm	340 - 450	270 - 400	250 - 380	230 - 400	230 - 345	230 - 330
	Short stroke	bpm	420 - 550	330 - 500	300 - 450	270 - 470	270 - 410	270 - 550
	Working pressure	bar	160 - 190	160 - 190	160 - 190	160 - 190	160 - 190	160 - 190
	Oilflow	l/min	120 - 190	150 - 210	180 - 240	200 - 260	220 - 280	240 - 320
	Chisel diameter	mm	135	145	150	155	165	175
	Impact energy (theor.)	J	6418	7980	9600	9880	12336	14739

HYDRAULIC HAMMERS - PRO			FX-680 PRO	FX-740 PRO	FX-820 PRO	FX-1200 PRO
	Excavator class ¹	t	47 - 78	60 - 90	65 - 100	88 - 150
	Weight	kg	4600	5800	7100	10400
	Long stroke	bpm	270 - 380	280 - 355	280 - 350	250 - 320
	Cutter length	bpm	380 - 530	380 - 485	320 - 520	290 - 380
	Working pressure	bar	160 - 190	160 - 190	160 - 190	160 - 190
	Oilflow	l/min	260 - 360	310 - 390	360 - 450	450 - 530
	Chisel diameter	mm	180	200	205	240
	Impact energy (theor.)	J	14400	16698	19543	25175

¹ Recommended excavator / attachment combination





READY FOR ANYTHING.

Completely protected reversed cylinders

Reversible & adjustable blades

Interchangeable teeth

Continuous hydraulic rotation

Speed multiplier valve

Replaceable wear parts



MK SERIES

Multiprocessors

The Hydraram MK multiprocessors, for professional demolition work!

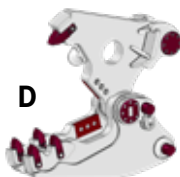
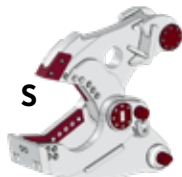
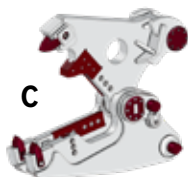
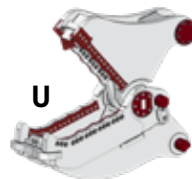
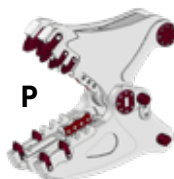
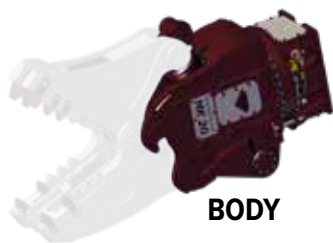
The versatile Hydraram multiprocessors are designed for the toughest operating conditions. They can be fitted on excavators from 6 to 100 tonnes of operating weight. Built of wear-resistant Hardox-400® steel, the MK series offers a long service life with minimal maintenance. With this robust attachment, demolition and recycling work of all kinds can be carried out with only one tool. For extremely fast jaw opening/ closing, each multiprocessor is equipped with a speed multiplier valve.

Various jaws can be mounted on this multiprocessor. You can change the hydraulic jaw in less than 5 minutes directly on the construction site! The replaceable teeth and knives are easy to replace on site. This attachment is designed to reduce the required number of excavators and attachments on site.

There are 6 different jaws available:

- **Pulverizer Jaw (P-Jaw):** Perfect for separating the reinforcing rebar from the concrete.
- **Steel Jaw (S-Jaw):** Ideal for job sites and in industrial demolition depots to cut ferrous materials such as profiles, plate and pipes.
- **Combi Jaw (C-Jaw):** For demolition of structures made of reinforced concrete with a high percentage of ferrous materials- this jaw does the job.
- **Universal jaw (U-Jaw):** This multipractical jaw is ideal for controlled demolition of concrete structures and immediate reduction of rebar as concrete is crushed.
- **Tankshear jaw (T-Jaw):** The perfect solution for construction sites and demolition industry stores for cutting ferrous materials such as steel and tanks.
- **Demolition jaw (D-Jaw):** Is designed for primary demolition phases of the most delicacy and precision, mainly demolition of concrete structures.

With 9 models and 6 available jaw sets, Hydraram multiprocessors are high power tools that can perform all functions in demolition, scrap and recycling. The cylinder rod is protected within the body during operation. The MK Multiprocessors are equipped with a heavy duty rotation motor.



MULTI PROCESSORS - BODY

			MK-7*	MK-10*	MK-13*	MK-18	MK-23	MK-28
	Excavator class ¹	t	6 - 14	9 - 18	15 - 20	18 - 25	25 - 35	35 - 45
	Weight	kg	410	600	795	1180	1465	1970
	Working pressure	bar	280	310	310	310	310	310
	Oilflow	l/min	80 - 150	150 - 250	180 - 250	180 - 250	200 - 300	250 - 350
	Working pressure rotation	bar	140	140	140	140	140	140
	Oilflow rotation	l/min	10	10	10	10	10	10
	Open/close	sec.	1.1 / 2.0	1.1 / 2.0	1.5 / 2.1	1.6 / 2.1	2.0 / 2.7	2.6 / 2.7

MULTI PROCESSORS - BODY

			MK-38	MK-55	MK-75
	Excavator class ¹	t	45 - 60	55 - 78	75 - 100
	Weight	kg	2150	3420	5020
	Working pressure	bar	310	340	340
	Oilflow	l/min	300 - 400	400 - 500	450 - 600
	Working pressure rotation	bar	140	140	140
	Oilflow rotation	l/min	10	30	30
	Open/close	sec.	2.6 / 2.7	3.2 / 3.5	3.0 / 3.7

¹ Recommended excavator / attachment combination

* Mechanical jaw change



MULTI PROCESSORS - P JAW

			MK-7	MK-10	MK-13	MK-18	MK-23	MK-28	MK-38	MK-55	MK-75
	Weight	kg	250	410	635	680	1035	1270	1720	2940	3940
	Jaw opening	mm	530	660	720	740	880	905	970	1100	1300
	Cutter length	mm	140	140	180	220	260	260	260	260	325

MULTI PROCESSORS - U JAW

			MK-7	MK-10	MK-13	MK-18	MK-23	MK-28	MK-38	MK-55	MK-75
	Weight	kg	440	520	610	740	1000	1300	1590	2650	3390
	Jaw opening	mm	310	390	445	500	635	550	720	900	1020
	Cutter length	mm	340	400	530	530	660	600	750	840	900

MULTI PROCESSORS - C JAW

			MK-7	MK-10	MK-13	MK-18	MK-23	MK-28	MK-38	MK-55	MK-75
	Weight	kg	350	450	585	720	1090	1305	1780	2900	3890
	Jaw opening	mm	493	580	640	740	810	850	910	990	1160
	Cutter length	mm	250	350	400	420	480	500	500	575	640

MULTI PROCESSORS - S JAW

			MK-7	MK-10	MK-13	MK-18	MK-23	MK-28	MK-38	MK-55	MK-75
	Weight	kg	210	360	580	630	950	1240	1425	2280	2850
	Jaw opening	mm	250	320	400	420	480	500	525	580	700
	Cutter length	mm	310	370	410	470	510	565	565	660	755

MULTI PROCESSORS - D JAW

			MK-7	MK-10	MK-13	MK-18	MK-23	MK-28	MK-38	MK-55	MK-75
	Weight	kg	360	435	575	680	1075	1235	1700	2750	3120
	Jaw opening	mm	525	600	740	835	920	945	1010	1180	1200
	Cutter length	mm	125	150	200	175	240	250	250	290	325

MULTI PROCESSORS - T JAW

			MK-10	MK-13	MK-18	MK-23	MK-28	MK-38	MK-55	MK-75
	Weight	kg	320	420	560	1000	1400	1750	1900	2360
	Jaw opening	mm	180	240	270	350	370	400	400	440
	Cutter length	mm	280	405	320	400	430	500	460	530

¹ Recommended excavator / attachment combination
Equipped with replaceable teeth



HCC SERIES

Concrete Crushers



The Hydraram concrete crushers are designed for demolition of tall concrete structures, industrial structures and bridges where the main element is steel-reinforced concrete.

HCC crushers' jaws are designed to effectively cut concrete. Blades located in the back of the jaws cut the reinforcement steel within concrete with ease. Made from the most durable steel HARDOX-400® with an extremely high wear resistance, minimum maintenance and a long lifespan.

More advantages of the HCC-Series concrete cutters:

- Interchangeable teeth can be easily replaced. Available on models from HCC-6V up to HCC-95V.
- Made of durable HARDOX-400® steel.
- Equipped with a speed valve for extremely fast work cycles.
- Equipped with a heavy duty double ball bearing swivel head and enhanced rotary motors.

Interchangeable teeth

Speed multiplier valve

Reversible & adjustable blades

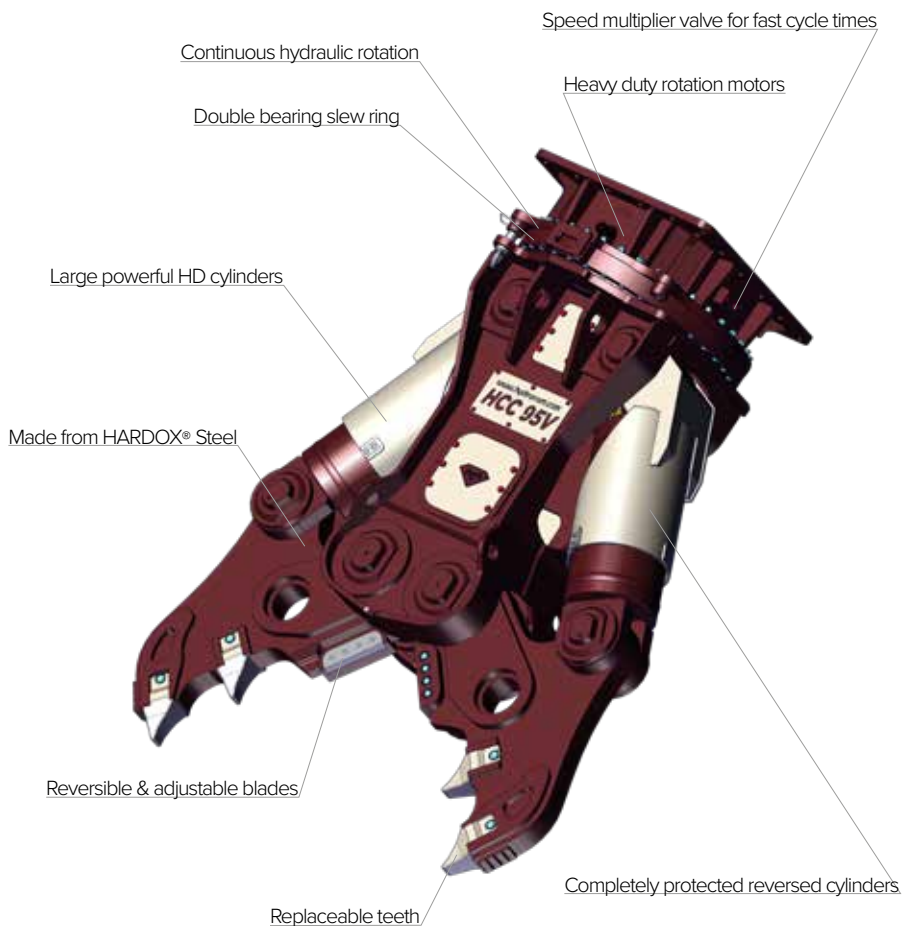
Continuous hydraulic rotation

Completely protected reversed cylinders

THE MUSCLE YOU NEED.







CONCRETE CRUSHERS			HCC-1V	HCC-2V	HCC-3V	HCC-6V*	HCC-12V*	HCC-16V*
	Excavator class ¹	t	1.5 - 3.0	2 - 4	4 - 7	5 - 10	10 – 17	16 - 21
	Weight	kg	180	250	300	610	1230	1620
	Jaw opening	mm	240	280	358	480	685	610
	Cutter length	mm	84	90	140	140	140	180
	Working pressure	bar	220	250	250	280	350	350
	Oilflow	l/min	20 - 25	40 - 60	60 - 80	80 - 150	150 - 250	180 - 250
	Working pressure rotation	bar	220	120	120	120	140	140
	Oilflow rotation	l/min	8	5	5	10	10	10
	Open/close	sec.	1.3 / 1.6	1.1 / 1.3	1.2 / 1.2	0.8 / 1.4	0.9 / 1.7	0.9 / 1.6

CONCRETE CRUSHERS			HCC-19V*	HCC-24V*	HCC-32V*	HCC-36V*	HCC-42V*	HCC-58V*
	Excavator class ¹	t	20 - 25	22 - 30	29 - 38	33 - 44	36 - 52	50 - 68
	Weight	kg	1960	2380	2960	3420	3920	5440
	Jaw opening	mm	820	890	1090	1300	1370	1500
	Cutter length	mm	180	180	220	260	260	325
	Working pressure	bar	350	350	350	350	350	350
	Oilflow	l/min	180 - 250	200 - 300	250 - 350	280 - 380	300 - 400	350 - 450
	Working pressure rotation	bar	140	140	140	140	140	140
	Oilflow rotation	l/min	10	10	10	10	10	30
	Open/close	sec.	1.7 / 3.3	1.8 / 3.4	2.0 / 2.6	2.7 / 3.2	3.5 / 3.1	3.6 / 3.9

CONCRETE CRUSHERS			HCC-72V*	HCC-95V*	HCC-110V	HCC-130V	HCC-150V	HCC-320V
	Excavator class ¹	t	66 - 88	85 - 105	90 - 130	94 - 150	100 - 200	200 - 300
	Weight	kg	7140	9380	11940	13850	15800	32000
	Jaw opening	mm	1680	1830	2050	2305	2836	3100
	Cutter length	mm	325	325	400	400	-	-
	Working pressure	bar	350	350	350	350	350	350
	Oilflow	l/min	400 - 500	450 - 650	500 - 800	500 - 800	600 - 1000	1000 - 1300
	Working pressure rotation	bar	140	140	140	140	140	250
	Oilflow rotation	l/min	30	50	50	50	50	50
	Open/close	sec.	3.8 / 4.1	3.8 / 3.9	3.7 / 4.0	3.7 / 4.1	3.8 / 4.3	4.9 / 6.1

¹ Recommended excavator / attachment combination

* Equipped with replaceable teeth



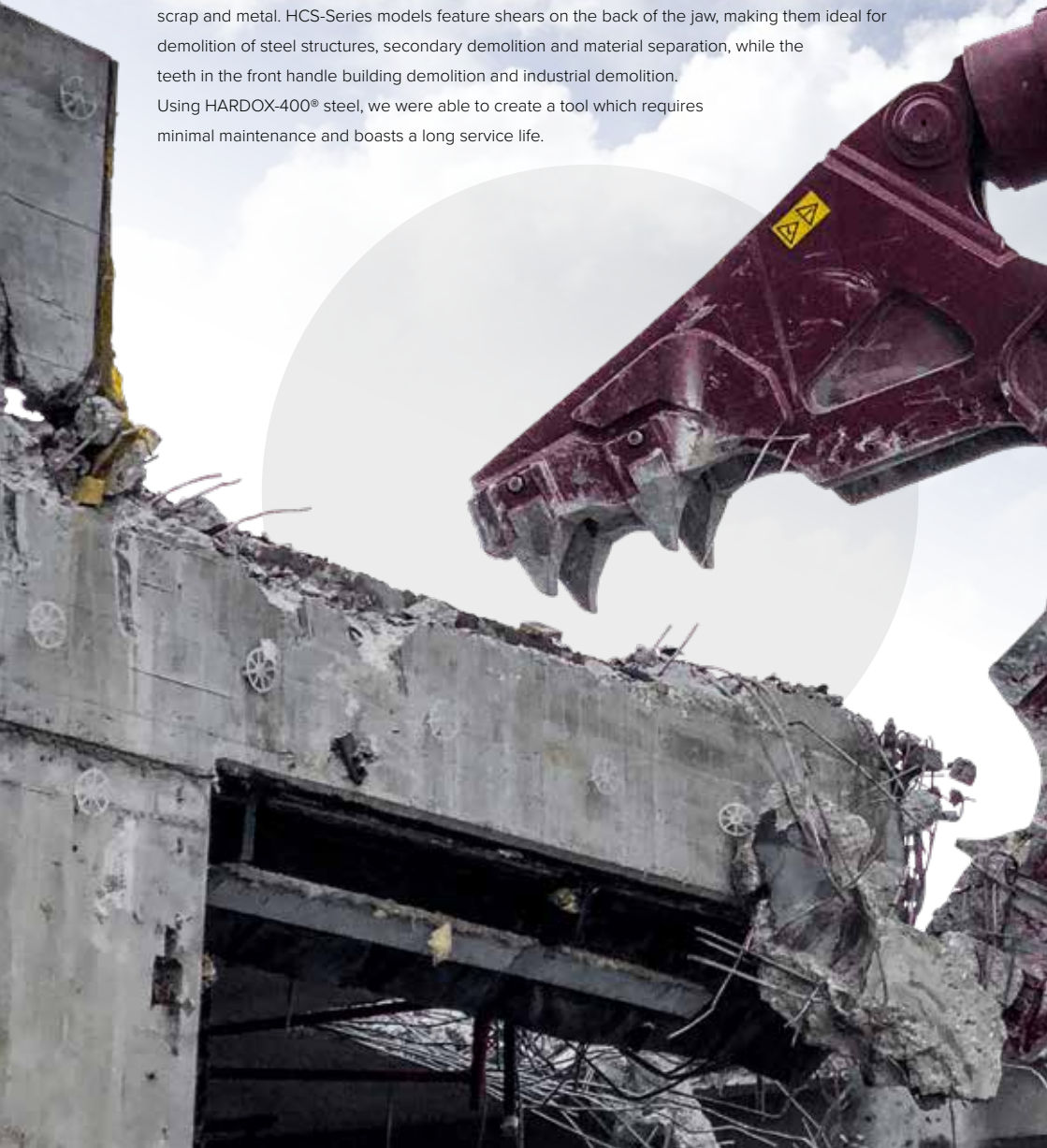
HCS SERIES

Combi cutters



Hydraulic combi cutters are designed for a variety of operations, such as demolition, crushing, cutting scrap and metal. HCS-Series models feature shears on the back of the jaw, making them ideal for demolition of steel structures, secondary demolition and material separation, while the teeth in the front handle building demolition and industrial demolition.

Using HARDOX-400® steel, we were able to create a tool which requires minimal maintenance and boasts a long service life.





Continuous hydraulic rotation

Integrated high speed valve

Interchangeable heavy duty teeth

Reversible & adjustable blades

Reverse cylinder

**PRECISE.
EFFECTIVE.
PRODUCTIVE.**



COMBI CUTTERS

			HCS-15U	HCS-19U	HCS-32U	HCS-42U
	Excavator class ¹	t	15-22	18 - 25	24 - 37	32 - 50
	Weight	kg	1480	1980	2960	3820
	Jaw opening	mm	698	760	890	1050
	Cutter length	mm	175	350	350	525
	Working pressure	bar	350	350	350	350
	Oilflow	l/min	200	150 - 250	150 - 250	230 - 360
	Working pressure rotation	bar	140	140	140	140
	Oilflow rotation	l/min	25	30	30	50
	Open/close	sec.	1.6 / 1.7	1.5 / 1.6	2.7 / 3.0	2.8 / 3.0

COMBI CUTTERS

			HCS-52U	HCS-72U	HCS-120U
	Excavator class ¹	t	42 - 62	52 - 86	86 - 150
	Weight	kg	4820	7180	12100
	Jaw opening	mm	1360	1430	1950
	Cutter length	mm	525	525	720
	Working pressure	bar	350	350	350
	Oilflow	l/min	350 - 450	450 - 550	500 - 800
	Working pressure rotation	bar	140	140	140
	Oilflow rotation	l/min	50	50	50
	Open/close	sec.	3.1 / 3.5	3.7 / 3.7	3.8 / 3.9

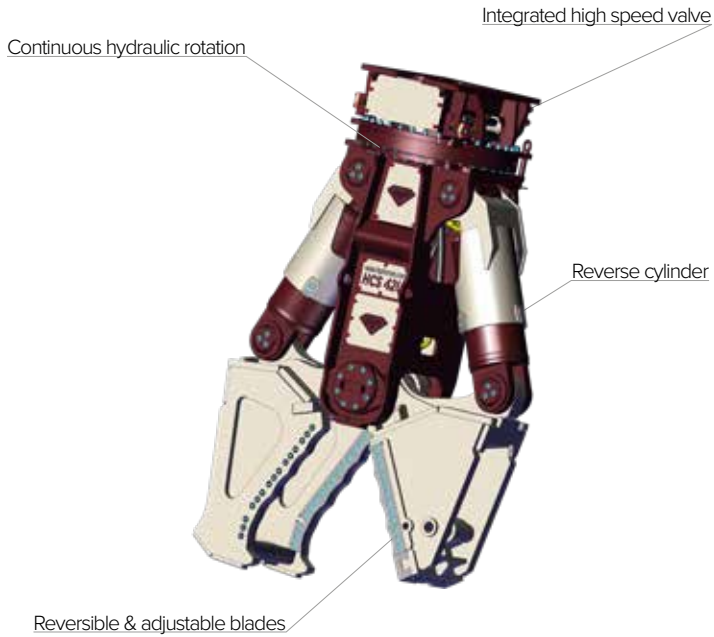
¹ Recommended excavator / attachment combination
Equipped with replaceable teeth





HCS UP SERIES

Combi cutters



COMBI CUTTERS			HCS-19UP	HCS-32UP	HCS-42UP	HCS-52UP	HCS-72UP	HCS-120UP
	Excavator class ¹	t	18 - 25	24 - 37	32 - 50	42 - 62	52 - 86	86 - 150
	Weight	kg	2130	3140	4180	5600	7780	12850
	Jaw opening	mm	400	550	760	830	920	1380
	Cutter length	mm	520	590	740	780	820	1080
	Working pressure	bar	350	350	350	350	350	350
	Oilflow	l/min	150 - 250	200 - 300	220 - 350	350 - 500	500 - 600	500 - 800
	Working pressure rotation	bar	140	140	140	140	140	140
	Oilflow rotation	l/min	10	10	10	30	50	50
	Open/close	sec.	1.5 / 1.6	2.7 / 3.0	2.8 / 3.0	3.1 / 3.5	3.7 / 3.7	3.8 / 3.9

¹ Recommended excavator / attachment combination
Equipped with replaceable teeth



HSS SERIES

Scrap shears



The HSS scrap shear is designed for demolition of heavy steel structures and scrap processing.

The jaw has the shape of the beak of a parrot. The materials you want to cut stay in the jaw and get pulled in with the motion of cutting. This method cuts steel quickly and effectively.

The blades in the jaw of the shear are made from specially hardened 'HSSM' tool steel. The jaws are made of the most durable HARDOX HiTuf steel, with an extremely high wear resistance.

Using these materials, we are able to create attachments which require minimal maintenance and achieve optimal production, as well as a long service life.



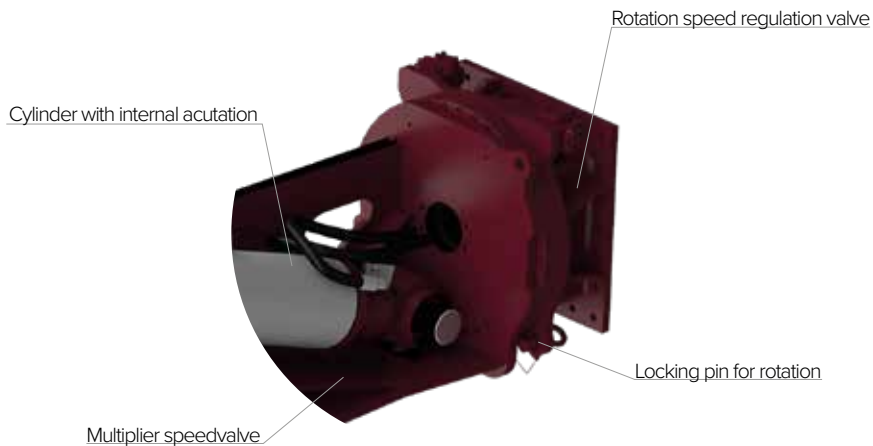
www.hydraram.com

HSS 220RV



A large red industrial shear is shown in the foreground, positioned as if it has just cut through the nose of a white airplane. The shear's cutting edge is visible, and the airplane's cockpit and engine nacelle are visible in the background. The text "CUT STEEL LIKE BUTTER." is overlaid on the right side of the image.

**CUT
STEEL
LIKE
BUTTER.**



SCRAP SHEARS			HSS-2RV	HSS-3RV	HSS-6RV	HSS-10RV	HSS-14RV	HSS-22RV
 Excavator class ¹	t		1.5 - 3	4 - 5	5 - 8	8 - 12	12 - 18	18 - 23
 Weight	kg		185	300	610	1020	1360	2180
 Jaw opening	mm		150	265	340	405	475	535
 Jaw depth	mm		200	230	320	355	385	445
 Working pressure	bar		220	220	300	350	350	350
 Oilflow	l/min		20 - 25	80 - 100	80 - 150	100 - 150	150 - 250	180 - 250
 Working pressure rotation	bar		220	120	120	120	140	140
 Oilflow rotation	l/min		8	5	10	10	10	10
 Open/close	sec.		1.3 / 1.6	1.0 / 2.8	1.0 / 2.0	1.9 / 3.6	1.9 / 2.5	2.0 / 2.8

SCRAP SHEARS			HSS-28RV	HSS-34RV	HSS-45RV	HSS-52RV	HSS-62RV
 Excavator class ¹	t		23 - 32	30 - 42	40 - 55	52 - 65	55 - 78
 Weight	kg		2840	3360	4380	5160	6480
 Jaw opening	mm		575	615	680	730	780
 Jaw depth	mm		495	545	600	640	690
 Working pressure	bar		350	350	350	350	350
 Oilflow	l/min		200-300	200-300	300 - 400	350 - 450	400 - 500
 Working pressure rotation	bar		140	140	140	140	140
 Oilflow rotation	l/min		10	10	10	10	30
 Open/close	sec.		2.9 / 2.9	3.9 / 4.1	3.4 / 4.0	3.2 / 4.0	3.0 / 4.1

SCRAP SHEARS			HSS-82RV	HSS-110RV	HSS-140RV	HSS-180RV	HSS-220RV
 Excavator class ¹	t		75 - 100	100 - 150	140 - 170	140 - 210	200 - 280
 Weight	kg		8230	11680	14300	18340	21850
 Jaw opening	mm		845	920	1078	1100	1180
 Jaw depth	mm		710	780	1020	1080	1130
 Working pressure	bar		350	350	350	350	350
 Oilflow	l/min		450 - 600	500 - 800	600 - 900	700 - 1000	900 - 1200
 Working pressure rotation	bar		140	140	140	240	240
 Oilflow rotation	l/min		30	50	50	50	50
 Open/close	sec.		3.8 / 4.7	4.2 / 5.1	4.3 / 5.2	4.6 / 5.3	4.8 / 5.8

¹ Recommended excavator / attachment combination
Equipped with replaceable teeth



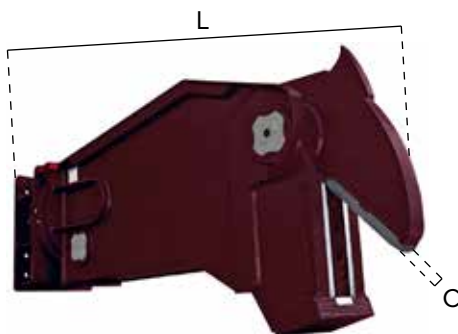
HTS SERIES

Tank Shears



The HTS series tank shears are a special attachment for cutting tanks and flat iron surfaces.

They can cut a rectangular slot in steel, creating smooth and straight edges on steel plates on barges, railroad cars, grain, water, oil and fuel tanks. This keeps the cutouts flat and easy to manage. They are suitable for cutting flat iron with a thickness of 20 to 40 mm.



TANK SHEARS			HTS-22T	HTS-28T	HTS-38T	HTS-68T
	Excavatorclass ¹	t.	20 - 28	24 - 35	32 - 47	65 - 85
	Weight	kg.	2200	2850	3700	6500
	Jaw opening	mm	330	355	380	400
	Jaw depth	mm	450	500	580	650
C	-	mm	100	120	140	150
L	-	mm	2600	2750	3050	3500
	Workingpressure	bar	340	350	350	350
	Oilflow	l/min	150 - 250	200 - 300	250 - 350	350 - 450
	Workingpressure rotation	bar	110	110	110	110
	Oilflow rotation	l/min	30	30	30	30
	Cutting capacity	mm	20	25	35	40

¹ Recommended excavator / attachment combination





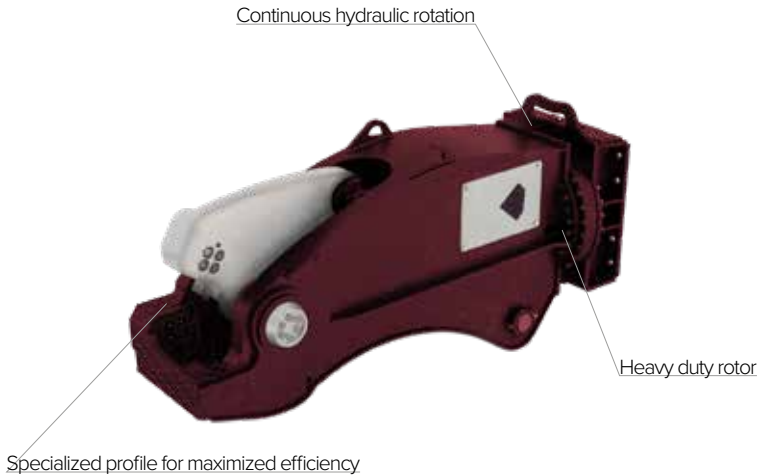
HRC SERIES

Rail croppers

The HRC-series hydraulic shear is used to efficiently cut tram, metro and railway tracks.

This tool can adjust to your needs, since it can be mounted on a 'normal' boom and a dipper boom.

It is equipped with a special Heavy Duty rotor that guarantees high reliability and durability, allowing easy positioning and accuracy.



RAIL CROPPERS			HRC-20R	HRC-26R	HRC-42R
 Excavator class ¹	t		15 - 22	22 - 34	34 - 52
 Weight	kg		2100	2680	4050
 Jaw opening	mm		185	225	240
 Working pressure	bar		320	350	350
 Oilflow	l/min		200 - 300	200 - 300	300 - 450
 Working pressure rotation	bar		140	190	190
 Oilflow rotation	l/min		10	35	35

¹ Recommended excavator / attachment combination

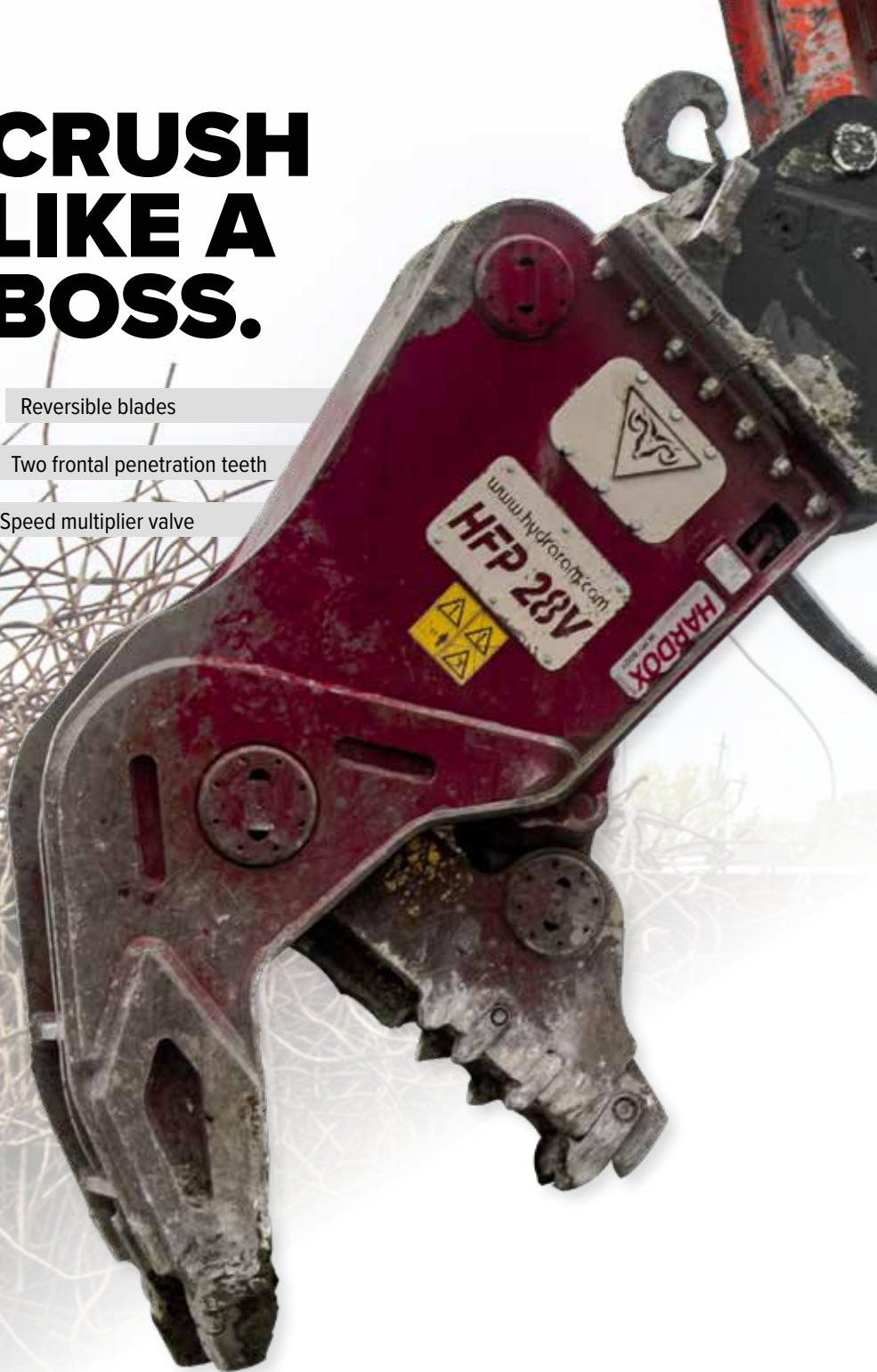


CRUSH LIKE A BOSS.

Reversible blades

Two frontal penetration teeth

Speed multiplier valve





HFP SERIES

Fixed pulverizers

The Hydraram HFP-Pulverizer is specially designed for the secondary demolition and recycling. The shape of the jaws of the crusher is designed to pick up and crush concrete as effectively as possible.

Interchangeable teeth are standard on all models. The steel cutters in the back of the pulverizers' jaw can cut reinforcement steel easily.

This tool is made out of the most durable steel HARDOX-400® with an extremely high wear resistance, resulting in minimum maintenance and a long lifespan.

The installed speed multiplier valve ensures fast work cycles.



FIXED PULVERIZERS			HFP-4V	HFP-7V	HFP-15V	HFP-22V
	Excavator class ¹	t	4 - 7	6 - 10	13 - 19	18 - 28
	Weight	kg	460	740	1420	2180
	Jaw opening	mm	465	530	730	825
	Cutter length	mm	140	140	220	260
	Working pressure	bar	320	320	350	350
	Oilflow	l/min	80 - 150	80 - 150	120 - 200	200 - 300
	Open/close	sec.	2.8 / 3.2	3.4 / 5.3	2.0 / 2.6	2.0 / 2.7

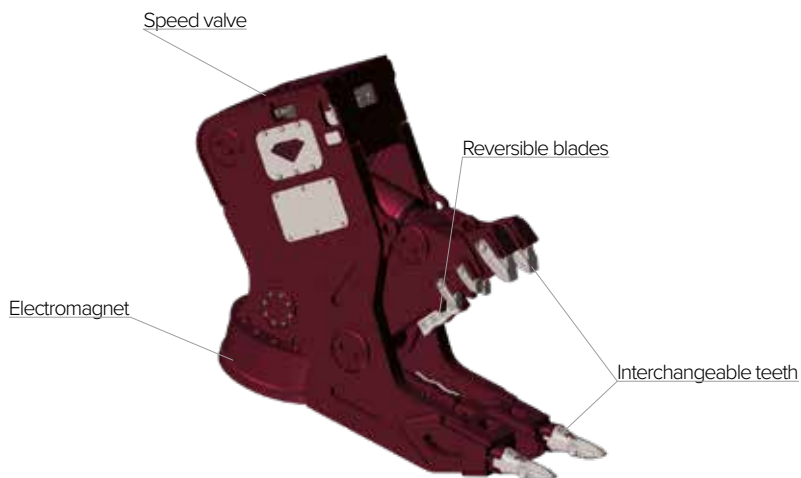
FIXED PULVERIZERS			HFP-28V	HFP-35V	HFP-48V	HFP-72V
	Excavator class ¹	t	25 - 35	33 - 45	42 - 68	65 - 85
	Weight	kg	2820	3420	4760	6980
	Jaw opening	mm	870	950	1130	1250
	Cutter length	mm	260	260	300	325
	Working pressure	bar	350	350	350	350
	Oilflow	l/min	250 - 350	300 - 400	350 - 500	450 - 600
	Open/close	sec.	3.0 / 3.2	2.8 / 2.7	2.6 / 2.9	3.0 / 3.7

¹ Recommended excavator / attachment combination



HFP-VM SERIES

Fixed pulverizers with magnet



Equipped with a 24 volt/1kW electric magnet system

Works on the 24V battery of the excavator, no extra battery or alternator needed!



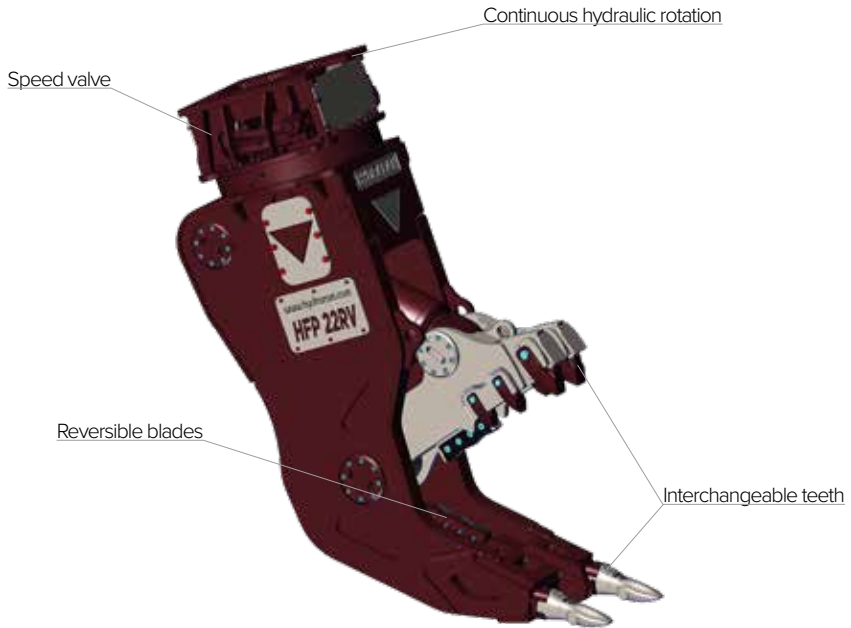
FIXED PULVERIZERS - MAGNET			HFP-22VM	HFP-28VM	HFP-35VM
	Excavator class ¹	t	22 - 32	28 - 38	35 - 52
	Weight	kg	2680	3480	4280
	Jaw opening	mm	810	870	950
	Cutter length	mm	260	260	260
	Working pressure	bar	350	350	350
	Oilflow	l/min	200 - 300	250 - 350	300 - 400
	Open/close	sec.	2.0 / 2.7	3.0 / 3.2	2.8 / 2.7

¹ Recommended excavator / attachment combination
Equipped with replaceable teeth



HFP-RV SERIES

Fixed pulverizers with rotation



ROTATING PULVERIZERS

			HFP-15RV	HFP-22RV	HFP-28RV	HFP-35RV
	Excavator class ¹	t	16 - 22	23 - 28	25 - 38	36 - 50
	Weight	kg	1640	2425	3340	3750
	Jaw opening	mm	730	825	870	950
	Cutter length	mm	220	260	260	260
	Working pressure	bar	350	350	350	350
	Oilflow	l/min	120 - 200	200 - 300	250 - 350	300 - 400
	Working pressure rotation	bar	140	140	140	140
	Oilflow rotation	l/min	10	20	30	30
	Open/close	sec.	2.0 / 2.6	2.0 / 2.7	3.0 / 3.2	2.8 / 2.7

¹ Recommended excavator / attachment combination
Equipped with replaceable teeth



HRP SERIES

Rotating pulverizers

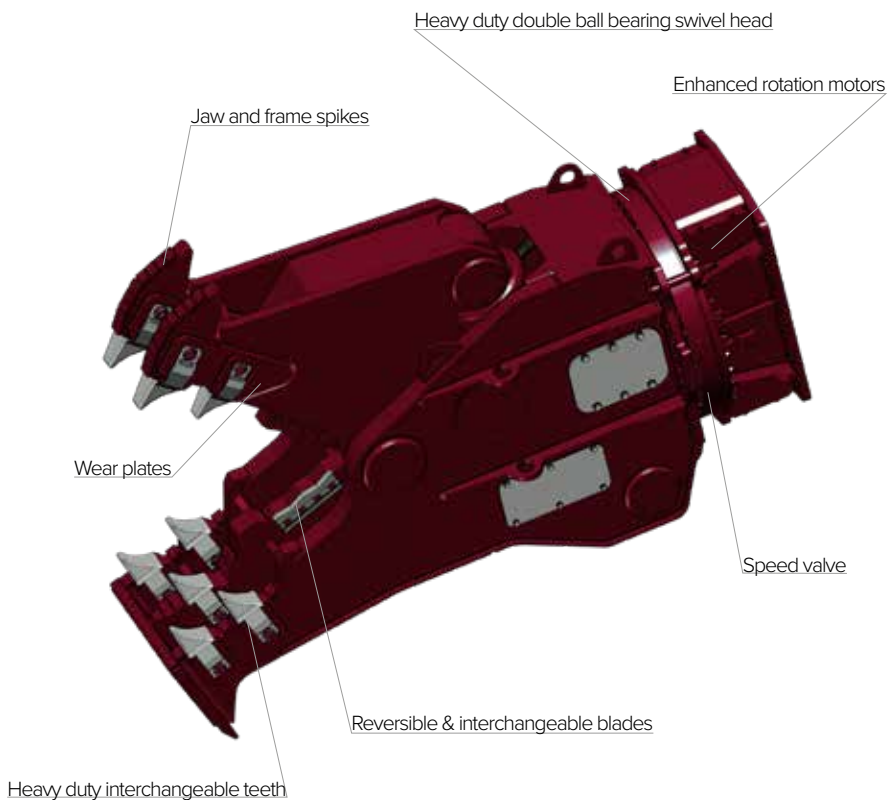


The HRP pulverizers are specially constructed hydraulic rotating concrete crushers for primary demolition of buildings and recycling.

The slew ring eliminates the forces on the excavator, and the machine is less stressed. The shape of the jaws of the crusher is used to crush concrete as effectively as possible. The pulverizer can easily cut the reinforcement steel within concrete boulders with the steel cutters located in the back of its jaw.

HRP pulverizers are made with the most durable HARDOX-400® steel with an extremely high wear resistance.

With all these advantages combined, the rotating concrete pulverizer requires minimum maintenance and guarantees a long lifespan.





ROTATING PULVERIZERS

			HRP-6V	HRP-12V	HRP-16V	HRP-20V	HRP-26V	HRP-32V
Excavator class ¹	t		6 - 9	9 - 14	13 - 18	18 - 26	23 - 30	29 - 38
Weight	kg		570	1120	1430	2080	2630	3280
Jaw opening	mm		480	655	705	745	870	915
Cutter length	mm		180	140	220	220	260	260
Working pressure	bar		280	350	350	350	350	350
Oilflow	l/min		40 - 100	150 - 250	180 - 250	180 - 250	200 - 300	250 - 350
Working pressure rotation	bar		140	140	140	140	140	140
Oilflow rotation	l/min		5	10	10	10	10	10
Open/close	sec.		2.2 - 2.4	1.4 / 2.7	1.4 / 2.9	2.3 / 2.9	2.9 / 3.9	3.0 / 3.2

ROTATING PULVERIZERS

			HRP-42V	HRP-62V	HRP-82V	HRP-120V	HRP-220V	HRP-280V
Excavator class ¹	t		36 - 52	51 - 72	68 - 88	86 - 130	120 - 200	150 - 250
Weight	kg		4060	5880	7860	12800	22900	26400
Jaw opening	mm		980	1120	1320	1700	1900	2050
Cutter length	mm		260	260	325	500	500	500
Working pressure	bar		350	350	350	350	350	350
Oilflow	l/min		300 - 400	400 - 500	450 - 600	500 - 800	900 - 1200	900 - 1200
Working pressure rotation	bar		140	140	140	140	140	140
Oilflow rotation	l/min		10	30	30	50	50	50
Open/close	sec.		3.7 / 3.7	3.2 / 3.5	3.0 / 3.7	4.3 / 4.4	6.9 / 7.0	6.9 / 7.0

¹ Recommended excavator / attachment combination



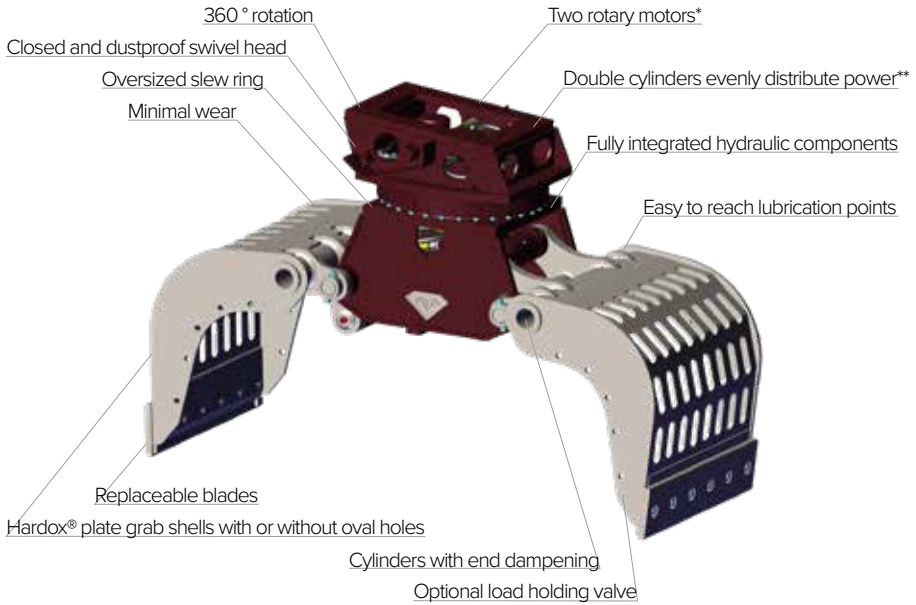
**SORT &
DEMOLISH.**





HDG SERIES

Demolition & sorting grabs



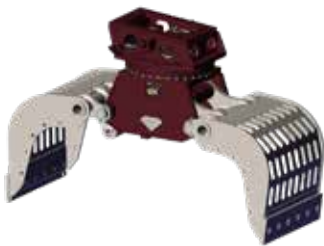
* Models HDG-88R and above

** Models HDG-130R and above

DEMOLITION GRABS			HDG-8R	HDG-10R	HDG-15R	HDG-25R	HDG-34R	HDG-42R
	Excavator class ¹	t	0.7 - 1.2	1 - 2	1.2 - 3	3 - 5	3.5 - 5.5	4 - 6
	Weight	kg	100	120	200	290	340	400
	Working pressure	bar	300	300	300	300	300	300
	Oilflow	l/min	15	20	25	35	35	40
	Working pressure rotation	bar	210	210	210	210	210	210
	Oilflow rotation	l/min	5	5	10	10	10	12
	Shell width	mm	300	350	450	500	500	600
	Opening width	mm	600	770	800	1160	1160	1400
	Height	mm	600	640	700	720	770	900
	Capacity	ltr	30	50	70	100	120	150
	Closing force	kN	8	12	18	22	24	26

¹ Recommended excavator / attachment combination





DEMOLITION GRABS			HDG-46R	HDG-52R	HDG-62R	HDG-88R	HDG-110R	HDG-130R
 Excavator class ¹	t		5 - 9	7 - 12	10 - 15	12 - 18	14 - 22	15 - 24
 Weight	kg		450	560	680	980	1140	1220
 Working pressure	bar		300	320	350	350	350	350
 Oilflow	l/min		50	70	90	100	120	120
 Working pressure rotation	bar		210	210	210	210	210	210
 Oilflow rotation	l/min		12	15	15	25	25	25
 Shell width	mm		700	700	600	800	800	900
 Opening width	mm		1500	1550	1750	1800	1950	1950
 Height	mm		950	1000	1100	1200	1250	1250
 Capacity	litr		200	200	300	400	500	600
 Closing force	kN		28	30	36	45	50	50

DEMOLITION GRABS			HDG-150R	HDG-180R	HDG-210R	HDG-240R	HDG-280R	HDG-310R
 Excavator class ¹	t		17 - 25	18 - 28	20 - 30	22 - 32	24 - 36	25 - 38
 Weight	kg		1380	1520	1640	1830	1980	2030
 Working pressure	bar		350	350	350	350	350	350
 Oilflow	l/min		120	150	160	170	170	170
 Working pressure rotation	bar		210	210	210	210	210	210
 Oilflow rotation	l/min		25	35	35	35	35	35
 Shell width	mm		1000	900	1000	1200	1200	1200
 Opening width	mm		1950	2100	2100	2100	2250	2400
 Height	mm		1300	1500	1500	1500	1500	1500
 Capacity	litr		700	750	800	850	900	900
 Closing force	kN		50	62	68	72	80	80

¹ Recommended excavator / attachment combination





DEMOLITION GRABS			HDG-340R	HDG-380R	HDG-420R	HDG-480R	HDG-520R	HDG-580R
 Excavator class ¹	t		28 - 42	30 - 45	32 - 52	35 - 54	42 - 64	45 - 80
 Weight	kg		2280	2840	3060	3420	4360	4700
 Working pressure	bar		350	350	350	350	350	350
 Oilflow	l/min		170	200	200	200	250	250
 Working pressure rotation	bar		210	210	210	210	210	210
 Oilflow rotation	l/min		35	35	35	35	40	50
 Shell width	mm		1200	1200	1360	1500	1500	1500
 Opening width	mm		2250	2250	2250	2450	2850	2850
 Height	mm		1500	1650	1650	1650	1800	1825
 Capacity	ltr		950	1000	1100	1300	1500	1550
 Closing force	kN		90	95	100	110	148	152

DEMOLITION GRABS			HDG-640R	HDG-820R	HDG-1400R
 Excavator class ¹	t		50 - 85	80 - 140	120 - 240
 Weight	kg		5420	8120	14200
 Working pressure	bar		350	350	350
 Oilflow	l/min		260	320	350
 Working pressure rotation	bar		210	250	250
 Oilflow rotation	l/min		60	60	100
 Shell width	mm		1500	1600	1800
 Opening width	mm		3000	3500	4400
 Height	mm		1850	2300	3000
 Capacity	ltr		1600	2000	4600
 Closing force	kN		155	180	220

¹ Recommended excavator / attachment combination



HDG-ZD SERIES

Demolition & sorting grabs



DEMOLITION GRABS			HDG-8ZD	HDG-10ZD	HDG-15ZD	HDG-25ZD	HDG-42ZD
	Excavator class ¹	t	0.6 - 1	0.8 - 1.8	1 - 2.5	2.5 - 4	4 - 6
	Weight	kg	70	90	150	200	280
	Working pressure	bar	300	300	300	300	300
	Oilflow	l/min	15	20	25	35	40
	Shell width	mm	300	350	450	500	600
	Opening width	mm	600	770	800	1160	1400
	Height	mm	420	450	550	650	800
	Capacity	litr	30	40	70	100	150
	Closing force	kN	6	7	15	20	23

DEMOLITION GRABS			HDG-46ZD	HDG-52ZD	HDG-62ZD	HDG-88ZD	HDG-110ZD
	Excavator class ¹	t	5 - 9	7 - 11	7 - 12	10 - 16	12 - 20
	Weight	kg	330	380	500	600	775
	Working pressure	bar	300	300	350	350	350
	Oilflow	l/min	50	50	90	100	120
	Shell width	mm	700	700	600	800	800
	Opening width	mm	1500	1500	1700	1750	1950
	Height	mm	820	820	950	950	1100
	Capacity	litr	200	200	300	400	500
	Closing force	kN	24	24	30	35	46

¹ Recommended excavator / attachment combination





DEMOLITION GRABS			HDG-130ZD	HDG-150ZD	HDG-180ZD	HDG-210ZD	HDG-240ZD
	Excavator class ¹	t	13 - 20	15 - 20	16 - 25	17 - 28	20 - 28
	Weight	kg	785	800	1100	1200	1300
	Working pressure	bar	350	350	350	350	350
	Oilflow	l/min	120	120	150	160	170
	Shell width	mm	900	1000	900	1000	1200
	Opening width	mm	1950	1950	2100	2100	2100
	Height	mm	1100	1100	1200	1200	1200
	Capacity	ltr	600	700	750	800	850
	Closing force	kN	46	46	55	68	68

DEMOLITION GRABS			HDG-280ZD	HDG-310ZD	HDG-340ZD	HDG-380ZD	HDG-420ZD
	Excavator class ¹	t	23 - 30	25 - 38	25 - 38	28 - 40	30 - 50
	Weight	kg	1400	1620	1880	2180	2450
	Working pressure	bar	350	350	350	350	350
	Oilflow	l/min	170	170	180	200	200
	Shell width	mm	1200	1200	1200	1200	1360
	Opening width	mm	2250	2400	2250	2250	2250
	Height	mm	1250	1250	1250	1270	1270
	Capacity	ltr	900	950	900	1000	1100
	Closing force	kN	80	80	80	90	90

¹ Recommended excavator / attachment combination



HCBSERIES

Crushing buckets

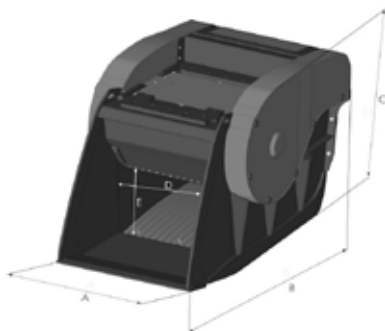


The Hydraram crushing bucket is specifically for breaking concrete and bricks at the jobsite, and is the first of its kind on the market.

There are numerous applications possible: demolition and construction work in general, remediation of industrial and urban waste, processing materials from quarries, the earthmoving sector, road works, mining, environmental remediation, crushing rocks.

The crushing buckets are made from the most durable HARDOX-400® steel with an extremely high wear resistance, minimum maintenance and a long lifespan.

Easily replaceable wear parts



CRUSHING BUCKETS			HCBSERIES	HCBSERIES	HCBSERIES	HCBSERIES	HCBSERIES
	Excavator class ¹	t	14 - 22	22 - 32	28 - 38	36 - 50	40 - 65
	Weight*	kg	1720	2380	3310	4280	5570
	Working pressure	bar	270	300	300	300	300
	Oilflow	l/min	90 - 100	130 - 140	130 - 140	170 - 180	250 - 300
A	-	mm	740	900	1030	1100	1390
B	-	mm	1800	2050	2050	2150	2250
C	-	mm	1100	1330	1330	1400	1450
D	-	mm	600	700	820	900	1200
E	-	mm	450	500	500	500	550
	Capacity	ltr	200	200	300	400	500

¹ Recommended excavator / attachment combination

* The above mentioned weight is without connection plate





HCD SERIES

Car dismantlers

The Hydraram car dismantler is a sophisticated hydraulic excavator attachment specialized in taking apart the key parts and materials of cars, making them easier to reuse or recycle. The jaw is fully rotational and can tear apart components and quickly recycle with precision, all with no preprocess required.

The thin cutting knives of the HCD car dismantler are perfect for scrapping thin metal sheets. The cutting force is sufficient to cut cars, buses and light trucks.

With the car dismantler attachment, you can easily complete the removal operations of all plastics, windows, cables and all non ferrous metals with only one excavator on site.

Continuous heavy duty hydraulic rotation

Interchangeable & reversible blades

Rapid flow valve



CAR DISMANTLER

HCD-15R

	Excavator class ¹	t	16 - 25
	Weight	kg	1520
	Jaw opening	mm	655
	Working pressure	bar	310
	Oilflow	l/min	180 - 250
	Working pressure rotation	bar	140
	Oilflow rotation	l/min	10

¹ Recommended excavator /
attachment combination



HMR SERIES

Multi-recyclers



The HMR-series Multi-recycler is designed to cut and reduce various materials. The resulting materials can be used for further processing or moved from the site more easily after being cut to a manageable size.

The convenience of the HMR multi-recycler is in its mobility. If you are looking for a tool which will help you reduce recycling yards, the HMR multi-recycler is an excellent solution.

Suitable for cutting:

Wood
Paper
Plastic
Light scrap



MULTI RECYCLER			HMR-15V
	Excavator class ¹	t	13 - 22
	Weight	kg	1480
	Jaw opening	mm	780
	Cutter length	mm	720
	Working pressure	bar	340
	Oilflow	l/min	200
	Open/close	sec.	2.0 / 2.6

¹ Recommended excavator / attachment combination





**RECYCLING
MADE EASY.**

HSB SERIES

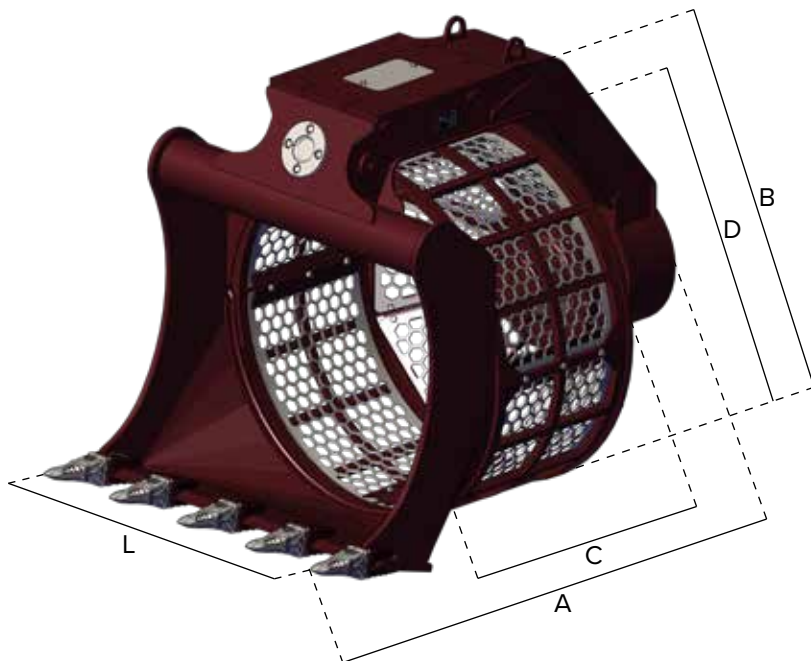
Rotating screening buckets



The HSB rotating screening buckets are specially designed to quickly and effectively screen material. They are ideal for sorting natural material in the best way manageable.

They can be used for many applications: primary sorting of waste and demolition materials, screening of backfill for excavations and materials for rocky terrain rehabilitation; gravel sorting in streams and beach cleaning. They are perfect in all circumstances where finer material must be obtained or where materials of different thicknesses have to be sorted. This can also help manage transportation costs, since you have the possibility of excluding any unwanted materials within the transportation load.

The screening buckets are made of the most durable HARDOX-400® steel with an extremely high wear resistance, minimum maintenance and a long lifespan.



The mesh size of the screen is easily adjusted by changing screen panels.

There are screening kits available in the 20-150 mm range.

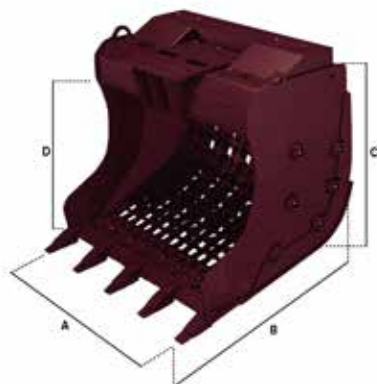
SCREENING BUCKETS			HSB-200	HSB-300	HSB-400	HSB-700	HSB-1400
	Excavator class ¹	t	1.5 - 2.5	3 - 5	5 - 8	8 - 12	13 - 16
	Weight	kg	165	300	420	755	1380
	Capacity SAE	m ³	0.2	0.3	0.5	0.7	1.3
	Working pressure	bar	100 - 120	100 - 120	100 - 120	100 - 120	200 - 220
	Oilflow	l/min	20 - 30	30 - 50	30 - 50	50 - 70	40 - 80
	Rotation	rpm	24 - 32	18 - 24	18 - 24	18 - 24	18 - 35
A	-	mm	740	1070	1175	1480	1950
B	-	mm	630	805	930	1055	1460
C	-	mm	320	445	515	690	790
D	-	mm	500	640	750	840	1170
L	-	mm	520	700	800	900	2200

SCREENING BUCKETS			HSB-1600	HSB-1900	HSB-2600	HSB-4900
	Excavator class ¹	t	17 - 21	22 - 30	31 - 40	41 - 55
	Weight	kg	1635	1875	2600	4955
	Capacity SAE	m ³	1.7	2.1	2.8	5.3
	Working pressure	bar	200 - 220	200 - 220	200 - 220	200 - 220
	Oilflow	l/min	40 - 80	40 - 80	40 - 80	40 - 80
	Rotation	rpm	18 - 35	18 - 35	18 - 35	18 - 35
A	-	mm	2190	2250	2600	2950
B	-	mm	1650	1890	2000	2410
C	-	mm	925	980	1040	1360
D	-	mm	1340	1560	1700	2000
L	-	mm	1400	1600	1750	2000

¹ Recommended excavator / attachment combination

HVB SERIES

Vibrating screening buckets



Interchangeable grid kits

- Piston motor
- Alternated grid motion system
- Centralized greasing system

Grill kit spacing dimensions

28 x 100 mm

50 x 50 mm

80 x 80 mm

50 x 200 mm

100 x 100 mm



VIBRATING SCREENING BUCKETS			HVB-16 HD	HVB-22 HD	HVB-32 HD	HVB-42 HD
	Excavator class ¹	t	13 - 20	20 - 30	30 - 45	42 - 58
	Weight	kg	1620	2080	3140	4160
	Working pressure	bar	230	230	230	230
	Oilflow	l/min	130 - 140	130 - 140	150 - 170	160 - 180
	Capacity	m ³	0.75	1.4	2	2.7
A	-	mm	1200	1500	2000	2910
B	-	mm	1540	1620	1750	1620
C	-	mm	1220	1430	1545	1430
D	-	mm	1220	1430	1545	1430

¹ Recommended excavator / attachment combination





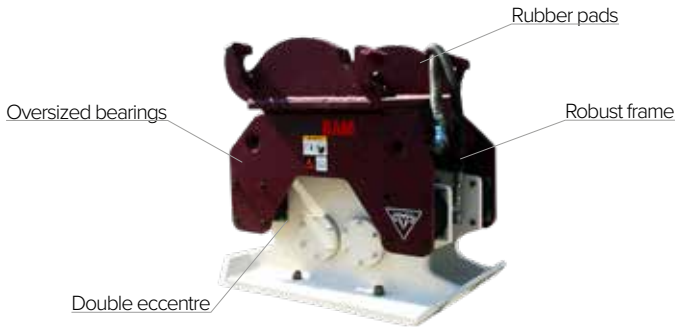
HC SERIES

Compactors

The Hydraram compactor is specially designed for compacting soil, roads, dams and dikes. Additionally, these vibrators are used for inserting sheet piles, wood piles and facings.

The compactors are made from the most durable steel HARDOX-400® with an extremely high wear resistance, minimum maintenance and a long lifespan.

Can optionally be equipped with a hydraulic clamp for steel sheet piling.



COMPACTORS			HC-180/2	HC-250/2	HC-420/2	HC-600/2	HC-900/2
	Excavator class ¹	t	2 - 3.5	3.5 - 7	6 - 10	8 - 16	15 - 28
	Weight	kg	160	230	400	580	850
	Working pressure	bar	120 - 140	120 - 140	120 - 140	120 - 140	100 - 140
	Oilflow	l/min	20 - 30	25 - 40	25 - 40	55 - 85	100 - 130
	Force	kN.	12	23	35	50	95
	Frequency	Rpm	2200 - 2600	2200 - 3000	2200 - 3000	2100 - 2600	2200 - 2500

COMPACTORS			HC-1200/2	HC-1500/5	HC-1800/2	HC-2200/2
	Excavator class ¹	t	20 - 35	22 - 38	25-40	28 - 48
	Weight	kg	950	1150	1650	2200
	Working pressure	bar	180 - 190	180 - 190	180 - 190	180 - 190
	Oilflow	l/min	170 - 210	175 - 215	170 - 210	200 - 260
	Force	kN.	155	205	240	330
	Frequency	Rpm	2400 - 2900	2400 - 2900	2200 - 2600	2200 - 2600

¹ Recommended excavator / attachment combination



HPC SERIES

Pile crackers



HPC pile crackers can be used for demolition of square and round foundation piles.

Hydraram developed the pile crackers as an alternative for dismantling with hand hammers, which is very time-consuming.

When piles remain 1 to 2 meters above ground level and need to be removed, it is ideal to keep the rebar intact. Pulverizers usually cannot handle the diameter of piles and damage the rebar in the process, so a pile cracker tool is necessary for safe and easy pile removal and rebar preservation.



Low vibration & noise pollution

Interchangeable teeth

PILE CRACKERS			HPC-350	HPC-500	HPC-600	HPC-700	HPC-900
	Excavator class ¹	t	13 - 24	16 - 26	16 - 26	18 - 30	18 - 30
	Weight	kg	1200	1650	1780	1840	2050
	Working pressure	bar	300	300	300	300	300
	Oilflow	l/min	200	200	200	200	200
	Dayproduction	st.	200 - 300	200 - 300	200 - 300	200 - 300	200 - 300
	Diameter pile	mm ²	Ø220 - 350	Ø320 - 500	Ø350 - 600	Ø400 - 700	Ø500 - 900

¹ Recommended excavator / attachment combination





HBG SERIES

Battery magnets

HBG-series electromagnets are intended for sorting through demolition scrap to ensure work site safety.

The bottom closure panels are made with special wear-resistant manganese steel.

Windings are covered with a special high-temperature resistant resin, which isolates the magnetizing coil from the high magnetic permeability steel structure.

The battery of the carrier is the only energy source necessary for the battery magnet, so no electric generator is needed. HBG magnets work on the battery of the carrier.



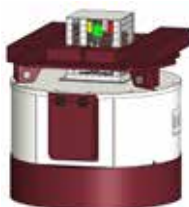
BATTERY MAGNETS			HBG-65	HBG-80	HBG-92
	Excavator class ¹	t	4 - 5	6 - 8	10 - 14
	Weight	kg	280	490	650
	Diameter	mm	650	800	920
	Output	kW	0.5	0.7	1.0
	Voltage	volt.	12	24	24
	Loose scrap	kg	150	250	330
	Massive plate	kg	2200	2800	3650

¹ Recommended excavator / attachment combination



EMG SERIES

Battery integrated magnets



The electromagnet is equipped with:

- Remote radio control panel
- Rechargeable Ni-MH battery and charger

BATTERY INTEGRATED MAGNETS			EMG-80	EMG-100
	Weight	kg	550	950
	Diameter	mm	770	1000
	Charging time	H	10	12
	Output	kW	0.5	0.7
	Voltage	volt.	24	24
	Loose scrap	kg	150	250
	Massive plate	kg	3000	5000





HEM SERIES

Electromagnets

These electromagnets operate through a generator on the carrier or through the electricity grid.
The HEM-series magnets can increase your duty cycles up to 50%.



ELECTROMAGNETS			HEM-80	HEM-95	HEM-105	HEM-115	HEM-125
	Excavator class ¹	t	8 - 10	11 - 14	13 - 16	14 - 18	20 - 24
	Weight	kg	480	650	750	850	1150
	Diameter	mm	800	950	1050	1130	1250
	Output	kW	3.2	4.5	5.5	6.5	8
	Voltage	volt.	220	220	220	220	220
	Loose scrap	kg	250	300	400	600	800
	Massive plate	kg	2000	3500	7000	12000	15000

ELECTROMAGNETS			HEM-145	HEM-150	HEM-160
	Excavator class ¹	t	29 - 36	34 - 42	43 - 54
	Weight	kg	1700	2000	2700
	Diameter	mm	1450	1500	1610
	Output	kW	10	12	15
	Voltage	volt.	220	220	220
	Loose scrap	kg	1000	1200	1400
	Massive plate	kg	18000	22000	25000

¹ Recommended excavator / attachment combination



HEM-HD SERIES

Electromagnets

The HEM HD-series models can increase your duty cycles up to 60%. They also feature stronger structure and lower magnetic density to decrease magnet heating during intensive use.



ELECTROMAGNETS			HEM-105 HD	HEM-115 HD	HEM-125 HD	HEM-140 HD	HEM-150 HD
	Excavator class ¹	t	13 - 17	17 - 23	22 - 29	35 - 46	36 - 48
	Weight	kg	870	1150	1450	2300	2400
	Diameter	mm	1050	1150	1250	1400	1500
	Output	kW	5.5	6.5	8	10	12
	Voltage	volt.	220	220	220	220	220
	Loose scrap	kg	400	420	550	950	1250
	Massive plate	kg	8500	9000	11000	15500	21000

ELECTROMAGNETS			HEM-165 HD	HEM-180 HD
	Excavator class ¹	t	53 - 70	72 - 96
	Weight	kg	3500	4800
	Diameter	mm	1650	1800
	Output	kW	16	20
	Voltage	volt.	220	220
	Loose scrap	kg	1700	2000
	Massive plate	kg	25000	35000

¹ Recommended excavator / attachment combination



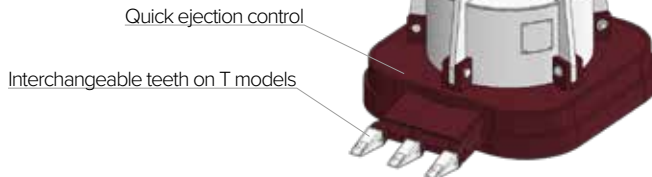


HMG/T SERIES

Hydraulic magnets

The Hydraram HMG/T-series are operated by the hydraulic hammer-line of the excavator.

The magnets can be used for cycle times up to 55%.



HYDRAULIC MAGNETS			HMG-850	HMG-950	HMG-1100	HMG-1150	HMG-1300	HMG-1500
	Excavator class ¹	t	10 - 16	14 - 20	18 - 28	20 - 30	26 - 38	30 - 60
	Weight	kg	780	960	1100	1200	1880	2500
	Working pressure	bar	180	180	180	180	180	180
	Oilflow	l/min	38 - 200	50 - 200	70 - 200	80 - 200	100 - 200	100 - 200
	Diameter	mm	850	950	1050	1130	1250	1500
	Output	kW	3.5	4.5	5.5	6	7	12
	Voltage	volt.	230	230	230	230	230	230
	Loose scrap	kg	500	700	900	1300	1800	3000
	Massive plate	kg	3500	3500	7000	11000	12000	20000

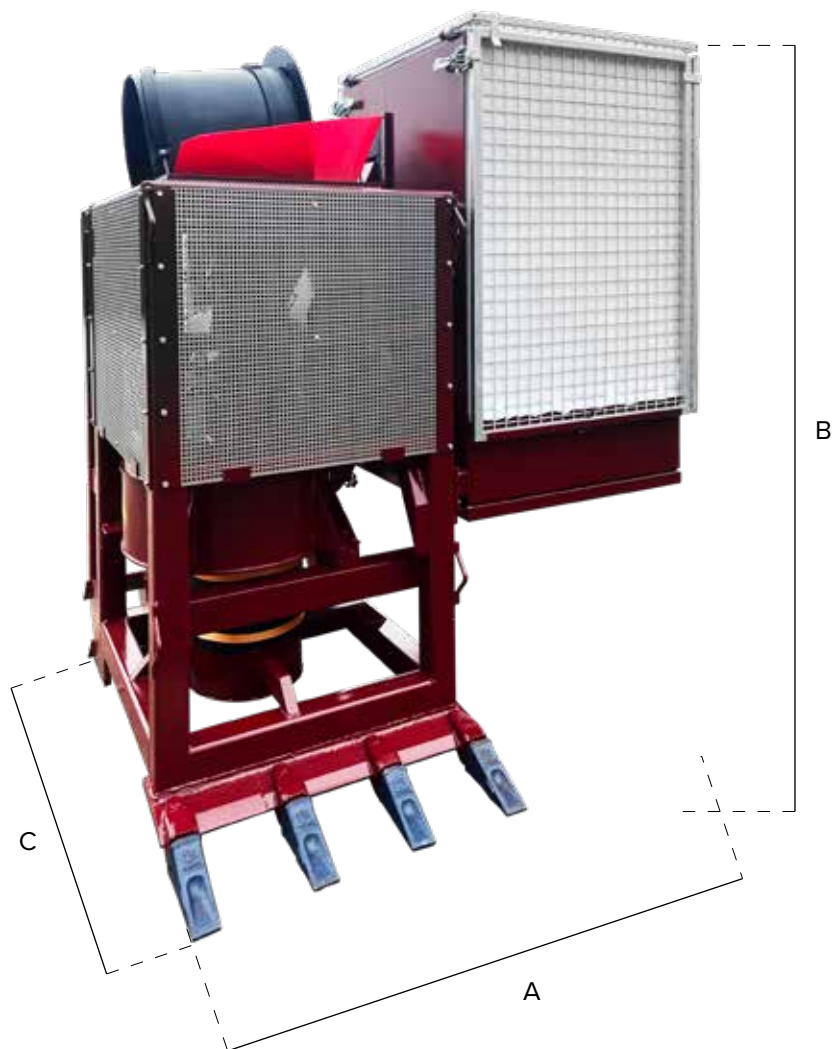
HYDRAULIC MAGNETS - TEETH			HMG-T850	HMG-T950	HMG-T1100	HMG-T1150	HMG-T1300	HMG-T1500
	Excavator class ¹	t	10 - 16	14 - 20	18 - 28	20 - 30	26 - 38	34 - 60
	Weight	kg	950	1130	1315	1400	2100	3000
	Working pressure	bar	180	180	180	180	180	180
	Oilflow	l/min	38 - 200	50 - 200	70 - 200	80 - 200	100 - 200	100 - 200
	Diameter	mm	850	950	1050	1130	1250	1500
	Output	kW	3.5	4.5	5.5	6	7	12
	Voltage	volt.	230	230	230	230	230	230
	Loose scrap	kg	500	700	900	1300	1800	3000
	Massive plate	kg	3500	3500	7000	11000	12000	20000

¹ Recommended excavator / attachment combination
HMG-T Equipped with replaceable teeth



HS SERIES

Hydrasauger



Keep your demolition and recycling worksite clean of insulation, polystyrene, plastic etc. with Hydrasauger 5000, vacuum cleaner for excavators!

The Hydrasauger 5000 is a vacuum cleaner which works on the hydraulic circuit of the excavator. It has been invented to collect insulation material from work sites.

It is dangerous and highly costly to have people walking around demolition machines and picking up insulation that may delay key operations or be blown away by the wind.

The collector basket is equipped with an outer steel mesh and an easily replaceable filter inside. The bottom hatch opens hydraulically to empty the basket with ease. It is equipped with a standard flow protector valve. The heavy-duty frame is equipped with digging teeth on one side and a cutting edge on the other, to stir the rubble and cut bigger pieces, so they can easily be sucked into the shredder wheel.

The heavy-duty shredder wheel is hydraulically driven and shreds materials such as Rockwool, polystyrene, smaller wooden pieces, plastic etc. into a granulate, and blows it into the collector basket.

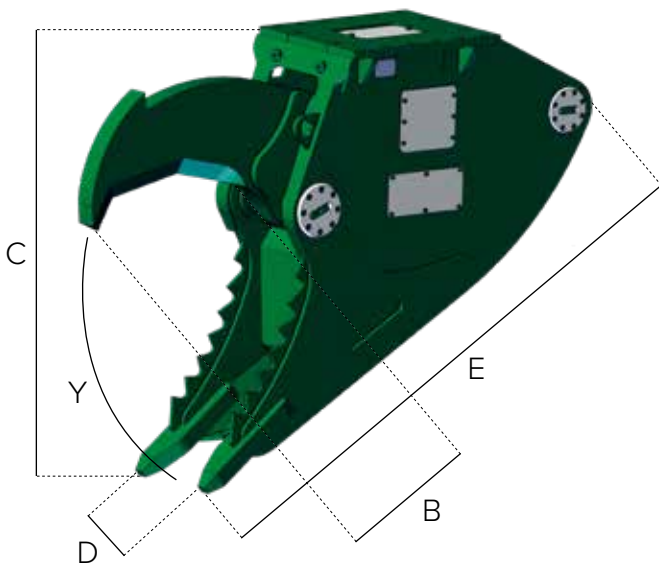
HYDRASAUGER			HS-5000
	Weight*	kg	1375
	Working pressure	bar	250
	Oil flow	l/min.	230
	Capacity	m3	1.2
	Max. Speed	rpm	2800
	Case drain required, max. Back pressure	bar	1
	Tube diameter	mm	400
A	-	mm	2200
B	-	mm	2000
C	-	mm	1000

*Bracket not included



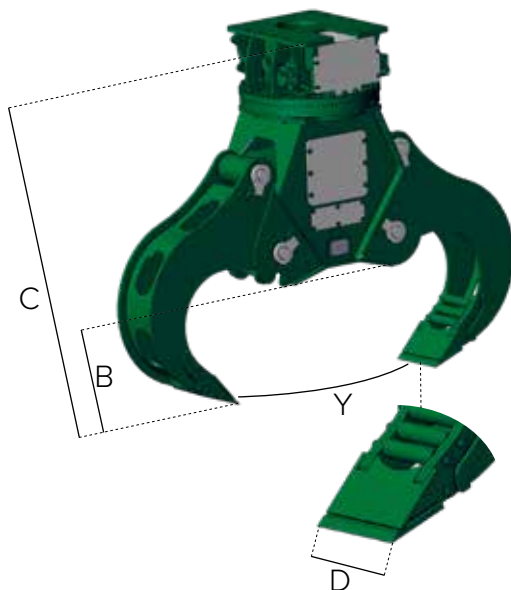
HSC SERIES

Stump cutter/ Wurzelscheren



STUMP CUTTER / WURZELSCHEREN			HSC-1100	HSC-2200
Excavatorclass	Baggerklasse	t.	13 - 18	18 - 25
Weight	Gewicht	kg.	1320	2380
Jaw opening	Maulweite	mm	980	1400
Workingpressure	Arbeitsdruck	bar	280 - 310	280 - 310
Oilflow	Ölvolumenstrom	l/min	150 - 200	200 - 250
B	B	mm	700	940
C	C	mm	1500	1940
D	D	mm	425	580
E	E	mm	2120	2775
Y	Y	t.	26	31





WOOD SPLITTER / HOLZSPALTER			HWS-200R	HWS-450R	HWS-750R	HWS-1100R	HWS-1700R
Excavatorclass	Baggerklasse	t.	3 - 5	6 - 8	9 - 13	14 - 21	22 - 30
Weight	Gewicht	kg.	280	395	780	1320	2620
Jaw opening	Maulweite	mm	600	800	1000	1400	1760
Workingpressure	Arbeitsdruck	bar	200 - 250	250 - 310	250 - 310	250 - 310	250 - 310
Oilflow	Ölvolumenstrom	l/min	30 - 40	40 - 50	80 - 100	150 - 200	250 - 300
Workingpressure rotation	Arbeitsdruck rotieren	bar	120	120	140	140	140
Oilflow rotation	Ölvolumenstrom rotieren	l/min	5	10	10	10	10
B	B	mm	300	400	500	690	875
C	C	mm	990	1230	1455	1800	2255
D	D	mm	150	200	250	300	400
Y	Y	t.	5	8	18	30	42



HTG SERIES

Tree grab/ Baumgreifer



TREE GRAB / BAUMGREIFER

HTG-15R

Excavatorclass	Baggerklasse	t.	1.2 - 3
Weight	Gewicht	kg.	150
Workingpressure	Arbeitsdruck	bar	300
Oilflow	Ölvolumenstrom	l/min	25
Workingpressure rotation	Arbeitsdruck beim rotieren	bar	170 - 210
Oilflow rotation	Ölvolumenstrom beim rotieren	l/min	10
Wider shell width	Schalenbreite breite Schale	mm	450
Narrow shell width	Schalenbreite schmale Schale	mm	400
Opening width	Öffnungsweite	mm	1100
Height	Bauhöhe	mm	765
Closing force	Schließkraft	kN.	15
Minimal object diameter	Durchmesser	mm	Ø80

TREE GRAB / BAUMGREIFER - T

HTG-15RT

Excavatorclass	Baggerklasse	t.	1.5 - 4
Weight	Gewicht	kg.	160
Workingpressure	Arbeitsdruck	bar	300
Oilflow	Ölvolumenstrom	l/min	30
Workingpressure rotation	Arbeitsdruck beim rotieren	bar	170 - 210
Oilflow rotation	Ölvolumenstrom beim rotieren	l/min	10
Wider shell width	Schalenbreite breite Schale	mm	450
Narrow shell width	Schalenbreite schmale Schale	mm	330
Opening width	Öffnungsweite	mm	1100
Height	Bauhöhe	mm	765
Closing force	Schließkraft	kN.	15
Minimal object diameter	Durchmesser	mm	Ø80

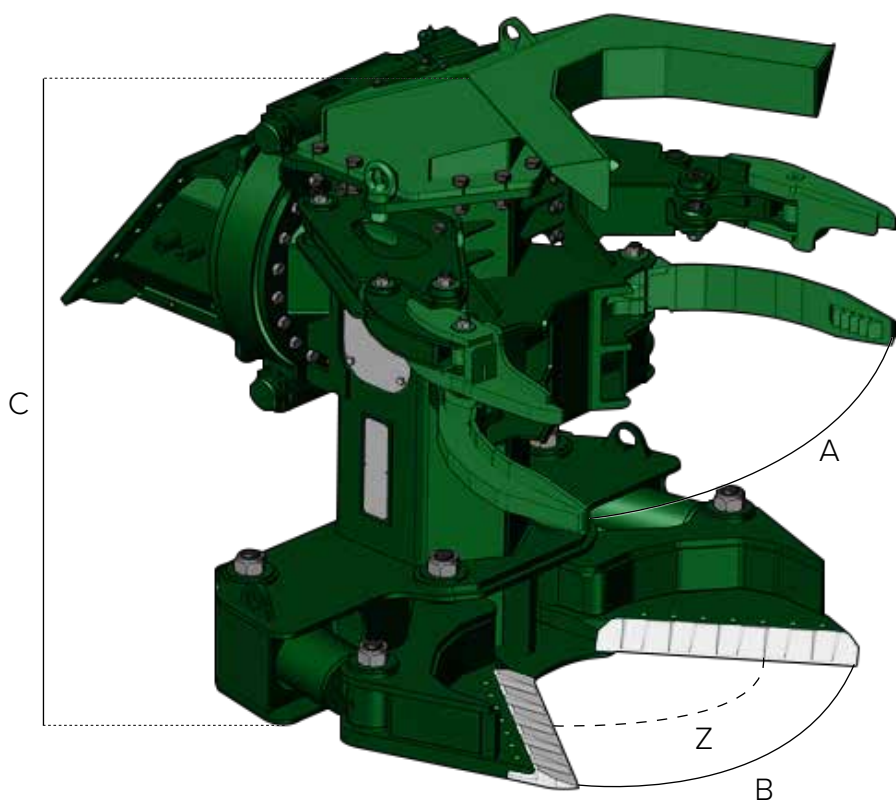


HTG-34R	HTG-42R	HTG-46R	HTG-52R	HTG-88R	HTG-110R	HTG-180R	HTG-210R	HTG-310R	HTG-340R	HTG-420R
3 - 5	4 - 7	5 - 8	6 - 11	10 - 16	12 - 20	16 - 24	17 - 28	20 - 28	25 - 35	30 - 50
220	300	350	450	800	1000	1140	1580	1650	2050	3480
300	300	300	320	350	350	350	350	350	350	350
25	-	50	70	100	120	120	160	160	160	200
170 - 210	-	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210
10	-	12	15	25	25	35	35	35	35	40
450	-	550	550	515	735	910	910	910	910	1200
400	-	500	500	435	635	650	810	810	810	1000
1100	-	1540	1540	2050	2050	2050	2250	2250	2250	2850
780	-	1000	1100	1350	1340	1340	1550	1550	1550	1900
15	-	24	24	35	46	46	68	68	68	90
Ø80	-	Ø70	Ø70	Ø120	Ø125	Ø125	Ø200	Ø200	Ø200	Ø225

HTG-34RT	HTG-42RT	HTG-46RT	HTG-52RT	HTG-88RT	HTG-110RT	HTG-180RT	HTG-210RT	HTG-310RT	HTG-340RT	HTG-420RT
3 - 5	4 - 7	5 - 8	6 - 11	10 - 16	12 - 20	16 - 25	20 - 30	20 - 30	25 - 35	32 - 55
220	320	400	500	920	1100	1280	1720	1850	2340	3520
300	300	300	320	350	350	350	350	350	350	-
30	-	50	70	100	120	120	170	170	170	-
170 - 210	-	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	190 - 210	-
10	-	12	15	25	25	35	35	35	35	-
450	-	735	735	800	910	910	1230	1230	1230	-
330	-	500	500	535	650	650	840	840	840	-
1100	-	1540	1540	2050	2050	2050	2250	2250	2250	-
780	-	1000	1100	1350	1340	1340	1550	1550	1550	-
15	-	24	24	35	46	46	68	68	68	-
Ø80	-	Ø70	Ø70	Ø120	Ø125	Ø125	Ø200	Ø200	Ø200	-

HTR SERIES

Treecutter/ Baumscheren



The HTR-Series Tree Cutter is a hydraulic attachment designed for felling and deforestation of logs, trees and maintenance of bushes by thinning shrubs of different sizes.

Created for operating at critical points with difficult access along roadsides, steep slopes and orchards. Ensures high productivity for subsequent processing steps, like stacking, chipping or grinding the cut material.

Broken or damaged trees can pose a great danger. Up until now, the removal of damaged or diseased trees was a tedious procedure, but now it is easy to remove trees, shrubs and branches with the Hydraram Tree Cutter.

The process of cutting a tree or shrub is simple. The initial clamping phase secures the higher clamp around the stem or trunk. It is possible to adjust the cutter opening based on the diameter of the stem. The optional central accumulation clamp makes it possible to complete multiple cuts in order to optimize the work cycle. The fork tower increases safety and facilitates log handling and release.

The innovative twin-blade cutting system makes the HTR a special tree cutting tool. The blades are reversible. The double blade, central and upper grapple arms and tower are all made of wear-resistant material HARDOX 400.

TREE CUTTER / BAUMSCHEREN

			HTR-13R	HTR-17R	HTR-23R
Excavatorclass	Baggerklasse	t.	12 - 16	17 - 22	23 - 30
Weight	Gewicht	kg.	1120	1460	1970
Optional central accumulation clamp	Zentrale Greifer zur Sammlung optional	kg.	100	100	180
Workingpressure	Arbeitsdruck	bar	300	300	300
Oilflow	Ölvolumenstrom	l/min	80	100	150
Workingpressure rotation	Arbeitsdruck rotieren	bar	175	175	175
Oilflow rotation	Ölvolumenstrom rotieren	l/min	40	40	40
Capacity	Kapazität	kg.	500	900	1000
A	A	mm	950	950	1200
B	B	mm	760	790	1000
C	C	mm	1500	1600	1900
Z	Z	t.	55	60	85
Diameter tree	Durchmesser Baum	mm	400	500	550

The mentioned weight refers to grapple with HD rotation version.
 Das angegebene Gewicht bezieht sich auf den Greifer mit Rotationsversion HD.



Keep
500

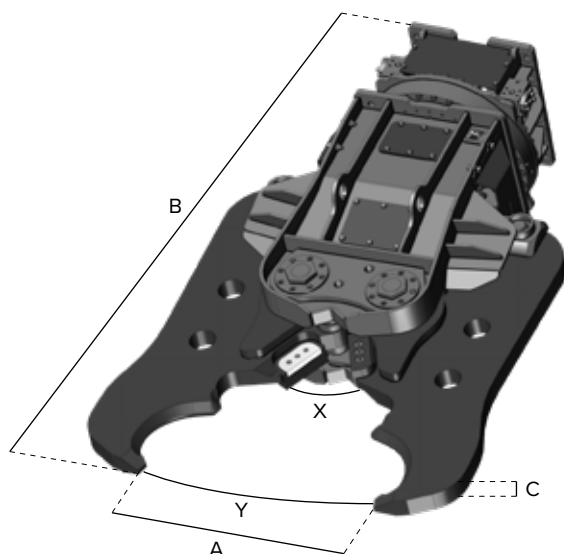
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HCC SERIES

Powerbooster Concrete Crushers



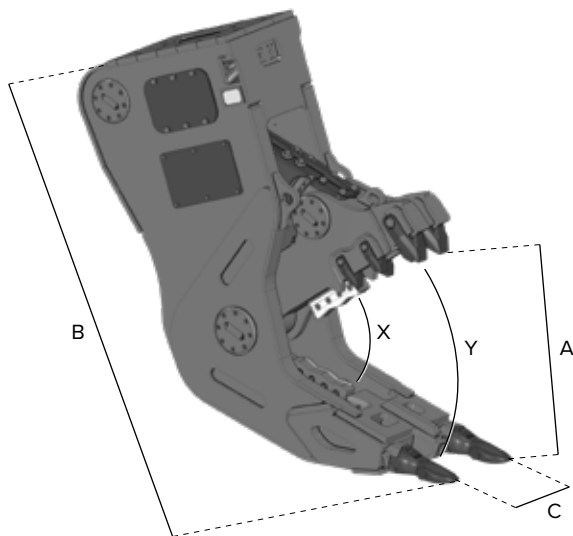
POWERBOOSTER



CONCRETE CRUSHERS POWERBOOSTER			HCC-18P	HCC-24P	HCC-31P	HCC-46P
 Excavator class ¹	T.		16 - 23	24 - 32	33 - 40	41 - 56
 Weight	Kg.		1900	2500	3100	4680
 Cutter length	mm.		150	180	210	260
 Working pressure	Bar.		250	250	250	250
 Oil flow	L/min.		130 - 200	180 - 250	230 - 300	300 - 400
 Working pressure rotation	Bar.		140	140	140	180
 Oil flow rotation	L/min.		10 - 20	10 - 20	10 - 20	10 - 20
A	mm.		850	1000	1130	1370
B	mm.		2240	2360	2540	-
C	mm.		60	80	90	-
X	T.		360	390	430	-
Y	T.		65	80	100	-
Max. Diameter	mm.		35	45	50	-

¹ Recommended excavator/attachement combination
62





FIXED PULVERIZERS POWERBOOSTER			HFP-15P	HFP-21P	HFP-26PR	HFP-30P	HFP-33PR	HFP-36P
 Excavator class ¹	T.		13 - 17	18 - 25	23 - 28	25 - 32	33 - 45	33 - 45
 Weight	Kg.		1480	2170	2680	2880	3490	3660
 Cutter length	mm.		220	260	260	260	260	260
 Working pressure	Bar.		250	250	250	250	250	250
 Oil flow	L/min.		130 - 200	180 - 250	180 - 250	230 - 300	230 - 300	250 - 350
 Working pressure rotation	Bar.		-	-	140	-	140	-
 Oil flow rotation	L/min.		-	-	10 - 20	-	10 - 20	-
A	mm.		670	835	835	890	890	980
B	mm.		1600	1845	2215	1955	2365	2080
C	mm.		460	540	540	670	670	740
X	T.		205	250	250	270	270	340
Y	T.		90	100	100	115	115	140
 Max. Diameter	mm.		40	45	45	55	55	60

¹ Recommended excavator/attachement combination

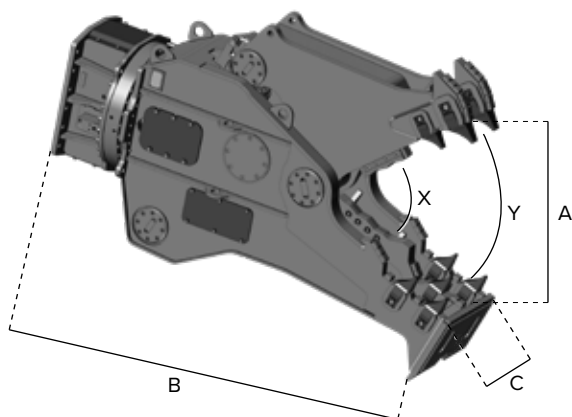


HRP SERIES

Powerbooster Rotating Pulverizers



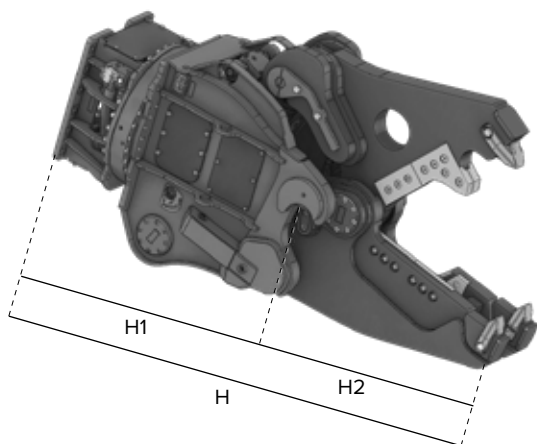
POWERBOOSTER



ROTATING PULVERIZERS POWERBOOSTER			HRP-22P	HRP-27P	HRP-35P	HRP-43P
 Excavator class ¹	T.		16 - 21	22 - 28	29 - 35	36 - 50
 Weight	Kg.		2230	2780	3460	4300
 Cutter length	mm.		220	260	260	260
 Working pressure	Bar.		250	250	250	250
 Oilflow	L/min.		130 - 200	180 - 250	230 - 300	250 - 300
 Working pressure rotation	Bar.		140	140	140	140
 Oilflow rotation	L/min.		10 - 20	10 - 20	10 - 20	10 - 20
A	mm.		755	890	950	1020
B	mm.		2120	2450	2470	2620
C	mm.		530	550	615	695
X	T.		245	250	340	445
Y	T.		90	105	120	150
 Max. Diameter	mm.		40	45	50	60

¹ Recommended excavator/attachement combination

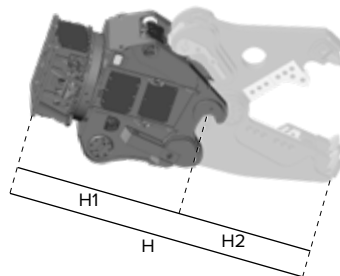




MULTI PROCESSORS POWERBOOSTER			MK-20P	MK-24P	MK-32P	MK-42P
	Excavator class ¹	T.	18 - 25	25 - 35	35 - 45	45 - 60
	Weight	Kg.	1335	1520	2015	2390
	H1	mm.	1270	1330	1385	1465
	Working pressure	Bar.	250	250	250	250
	Oil flow	L/min.	130 - 200	180 - 250	230 - 300	250 - 300
	Working pressure rotation	Bar.	140	140	140	140
	Oil flow rotation	L/min.	10 - 20	10 - 20	10 - 20	10 - 20

¹ Recommended excavator/attachement combination



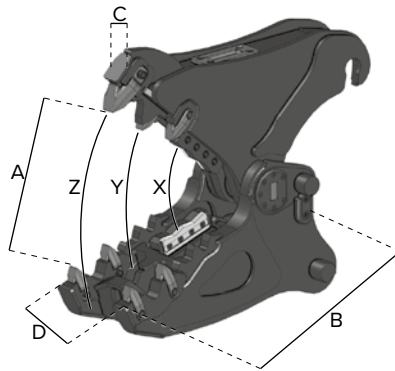


P-JAW			MK-20P	MK-24P	MK-32P	MK-42P
	Weight	Kg.	780	1000	1425	1880
	Cutter length	mm.	220	260	260	260
	H2	mm.	950	1065	1145	1240
	A	mm.	750	850	905	1030
	B	mm.	720	780	820	935
	C	mm.	300	300	360	395
	D	mm.	465	485	590	630
	X	T.	255	260	340	425
	Y	T.	120	155	155	180
	Z	T.	80	105	120	145
	Max. Diameter	mm.	40	45	50	60



S-JAW			MK-20P	MK-24P	MK-32P	MK-42P
	Weight	Kg.	650	1020	1310	1605
	Cutter length	mm.	470	510	565	620
	H2	mm.	785	910	965	1055
	A	mm.	410	515	520	550
	B	mm.	485	545	560	630
	C	mm.	100	120	130	130
	D	mm.	330	380	440	440
	X	T.	510	610	815	925
	Y	T.	210	280	325	370
	Z	T.	115	150	165	200
	Max. Diameter	mm.	55	65	70	80
	IPN Max	mm.	240	380	400	450
	HEA Max	mm.	180	240	260	280





D-JAW			MK-20P	MK-24P	MK-32P	MK-42P
	Weight	Kg.	720	1160	1350	1900
	Cutter length	mm.	175	240	250	-
	H2	mm.	1010	1145	1200	-
	A	mm.	780	940	960	-
	B	mm.	750	800	815	-
	C	mm.	110	130	130	-
	D	mm.	320	350	400	-
	X	T.	480	620	410	-
	Y	T.	130	160	165	-
	Z	T.	80	105	120	-
	Max. Diameter	mm.	45	50	55	-



C-JAW			MK-20P	MK-24P	MK-32P	MK-42P
	Weight	Kg.	760	1185	1400	1900
	Cutter length	mm.	420	480	500	500
	H2	mm.	1010	1145	1185	1290
	A	mm.	690	815	850	960
	B	mm.	750	800	815	885
	C	mm.	110	130	130	130
	D	mm.	320	350	415	450
	X	T.	480	620	710	955
	Y	T.	130	160	175	240
	Z	T.	80	105	120	155
	Max. Diameter	mm.	45	50	55	75



HYDRARAM, WE BRING THE MUSCLE

Hydraram has been developing and producing hydraulic attachments for use in demolition & recycling industry since 1993. We supply a complete line of hydraulic attachments for excavators from 1 to 300 tons.



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